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ABSTRACT

Data gathered from the Survey of Earned Doctorates during fiscal year 1976 are summarized. The Survey is conducted annually by the Board on Human Resources Data and Analysis (BHRDA) of the Commission on Human Resources (CHR) of the National Research Council. Questionnaire forms, distributed with the cooperation of the graduate deans, are filled out by the graduates as they complete all requirements for their doctoral degrees. The total number of doctorate recipients in 1976 was 32,923, essentially the same of 1974 and 1975. Highlights of the findings include: the proportion of doctorates granted to women; trend data on U.S. doctorates by major field and sex; trends in the postgraduation plans of the doctorate recipients; and current data on the extent of field switching between field of baccalaureate and field of Ph. D. and between field of Ph. D. and field of employment. (LBH)

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# Summary Report 1976 DOCTORATE RECIPIENTS FROM UNITED STATES UNIVERSITIES

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# Summary Report 1976 DOCTORATE RECIPIENTS FROM UNITED STATES UNIVERSITIES

The Survey of Earned Doctorates is
conducted by the
National Research Council for the
National Science Foundation,
the U.S. Office of Education,
the National Institutes of Health, and
the National Endowment for the Humanities

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Board on Human-Resource Data and Analyses
Commission on Human Resources
NATIONAL RESEARCH COUNCIL

NATIONAL ACADEMY OF SCIENCES
March 1977

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## FOREWORD

This report presents a brief summary of data gathered from the Survey of Earned Doctorates during fiscal year 1976. The Survey is conducted annually by the Board on Human-Resource Data and Analyses (BHRDA) of the Commission on Human Resources (CHR) of the National Research Council. Questionnaire forms, distributed with the cooperation of the Graduate Deans, are filled out by the graduates as they complete all requirements for their doctoral degrees. The data in this report refer to doctorates earned during the period July 1, 1975 to June 30, 1976, but they do not include professional degrees such as the MD, DDS, and DVM.

This is the tenth in a series of yearly summaries of data from the Survey of Earned Doctorates, a series that began in 1967. The BHRDA publishes data gathered during a given fiscal year in the following fiscal year. Trend data from an earlier period can be found in the book, *Doctorate Recipients from United States Universities 1958-1966* (NAS publication 1489). A comparable report is being prepared for the period 1967-1975. This book will also include selected trend data on doctorates for the past century.

The distribution of the Survey of Earned Doctorates questionnaire, the maintenance of the resulting data file, and the publication of this report are supported jointly by the National Science Foundation, the United States Office of Education, the National Institutes of Health, and the National Endowment for the Humanities. The BHRDA wishes to express its appreciation to these agencies for their assistance.

The Survey of Earned Doctorates is under the administrative supervision of Dorothy M. Gilford. Peter Syverson and Muriel Quinones had continuing responsibility for the development of the summary statistics and the graphics in the report. Charles Dickens of the National Science Foundation, John Chase of the U.S. Office of Education, William Copeland of the National Institutes of Health, and Stanley Turesky of the National Endowment for the Humanities have provided constructive advice in the design and analysis of the survey which increases its relevance to national policy issues. Robert H. Burris provided valuable assistance in the review of the report. Special thanks also go to Doris Rogowski who supervised the coding and editing of the data and to Joseph Finan and George Boyce who were responsible for the computer programming and processing.

The CHR is concerned with those activities of the National Research Council that contribute to the more effective development and utilization of the nation's human resources. Its programs seek to strengthen higher education and to develop better understanding of the educational process. It is hoped that prompt reporting of the present data to educational, governmental, and professional agencies will facilitate planning in higher education. Suggestions for improvement of the content or format of the report and questions or comments will be welcomed. Such communications may be directed to the Board on Human-Resource Data and Analyses, National Research Council, 2101 Constitution Avenue, Washington, D.C. 20418.

Dorothy M. Gilford
*Director of Human Resources Studies*

NOTICE: This report is based on research conducted by the National Research Council with the support of the National Science Foundation, the U.S. Office of Education, the National Institutes of Health and the National Endowment for the Humanities under Contract No. NSF-C310, Task Order 82. Any opinions, findings, and conclusions or recommendations expressed in this publication are those of the authors and do not necessarily reflect the views of the sponsoring agencies.

## INTRODUCTION

The total number of doctorate recipients in 1976 was 32,923. After nearly three decades of continuous growth the number of doctorates peaked in 1973 at 33,727 and dropped by 2.2% in 1974 to 33,000. Since 1974 the number has remained essentially constant at 32,913 in 1975 and 32,923 in 1976. Selected statistics from the 1976 Survey of Earned Doctorates and trends on doctorate recipients based on the Doctorate Records File are highlighted in this report. The highlights include selected data on the proportion of doctorates granted to women, trend data on U.S. doctorates by major field and sex, trends in the postgraduation plans of the doctorate recipients, and current data on the extent of field switching between field of baccalaureate and field of Ph.D. and between field of Ph.D. and field of employment. The Summary Report for 1975 Doctorate Recipients highlighted data on the differences in student support patterns for doctorate recipients of different racial and ethnic groups.

## THE PROPORTION OF DOCTORATES GRANTED TO WOMEN REACHED AN ALL-TIME HIGH IN 1976

Although the total number of doctorates remained nearly constant from 1974 to 1976 the trend for an increasing proportion of doctorates to be women continued. This trend started in 1965 when 10.8%[1] of the doctorates were women. In 1974, 19.4% were women and in 1975 the proportion reached 21.9%, exceeding the previous high figure of 20.5% in 1945 which was associated with the large drop in male doctorates due to World War II. In 1976 the proportion of women among the doctorates increased to an all-time high of 23.3%.

In the table "Statistical Profile of Doctorate Recipients by Racial or Ethnic Group and U.S. Citizenship Status, FY 1976" on pages 24-25 of this report, it can be seen that the proportion of women in two of the minority groups is higher than for the whites. In decreasing order by proportion of women Ph.D.'s the groups are Puerto Ricans with 39.7% women, Blacks 35.2%, White 24.0%, American Indians 23.6%, Chicanos 19.5% and Orientals 15.3%. Even higher proportions of women are found in certain minority groups if only the U.S. citizens are considered, e.g. 40.4% of the Black doctorate recipients in 1976 who are U.S. citizens are women.

[1] Data for 1943, 1965, 1974 and 1975 from *Summary Report 1975: Doctorate Recipients from United States Universities*, p. 4, National Research Council, Washington, D.C.

## TRENDS IN THE NUMBER OF DOCTORATES BY BROAD FIELD FOR MEN AND WOMEN

Text Table A and Figure 1 show the differences in trends in broad fields for men and women for the period 1966-1976. The drop in male doctorates in the physical sciences has been particularly acute with a 25% decrease from 5,390 in the peak year, 1971, to 4,036 in 1976. In engineering the number of male doctorates also peaked in 1971 at 3,479 and has declined by 21% to 2,738 in 1976. In the short period from 1973 to 1976 the number of male doctorates in the arts and humanities has dropped by 16% from 3,817 to 3,208. Education and the social sciences are the only major fields showing an increase in the number of male doctorate recipients in 1976. The increase in the education field represents a small upturn in the decreasing trend from 1973 to 1975.

During the period 1966-1976 the number of women doctorates has increased by 267%. Most of the growth has been in three fields: education, arts & humanities, and social sciences which account for 80% (4,486) of the increase in women doctorates. Growth in the number of women doctorates continued from 1975 to 1976 in the social sciences and education, showing increases of 8% and 11% respectively, but for the first time since 1966 there was a decrease in the number of women doctorates in the arts and humanities. The other four fields: professional fields, life sciences, physical sciences and engineering have smaller numbers of women doctorates but continue to show growth from 1975 to 1976. The professional fields showed a 40% growth from 1975 to 1976 but in the other fields the growth was 6% or less.

## POSTGRADUATION PLANS: DOCTORATES SEEKING EMPLOYMENT OR POSTDOCTORAL STUDY

Figure 2 displays data from Text Table B on trends in the plans of doctorate recipients, at the time the survey questionnaire was completed, for postgraduation employment or study. There is a great deal of variability among fields in the proportion that are still seeking employment or further study. Text Table B gives data for seven broad field groups (physical sciences, mathematics, engineering, life sciences, social sciences, arts and humanities, and education) and for five of the larger fields within these groups (physics and astronomy, chemistry, biological sciences, medical sciences, and psychology). Among the broad field groups the arts and humanities group shows the highest proportion, 35.0%, of the doctorate recipients still seeking employment or further study at the time the degree was awarded. In the other broad field groups the proportions still seeking employment or further study are: 28.1% in mathematics, 27.1% in engineering, 25.1% in the social sciences, 24.5% in education, 24.0% in the physical sciences

TEXT TABLE A
U.S. Doctorates Granted by Broad Field and Sex, 1966-1976

| Year | Total | Physical Sciences | Engineering | Life Sciences | Social Sciences | Arts & Human. | Prof. Fields | Education |
|---|---|---|---|---|---|---|---|---|
| | | | | MEN | | | | |
| 1966 | 15,863 | 3,647 | 2,291 | 2,542 | 2,241 | 2,020 | 636 | 2,462 |
| 1967 | 17,944 | 4,123 | 2,594 | 2,726 | 2,654 | 2,310 | 724 | 2,790 |
| 1968 | 19,985 | 4,405 | 2,835 | 3,186 | 2,939 | 2,491 | 829 | 3,223 |
| 1969 | 22,338 | 4,713 | 3,239 | 3,552 | 3,302 | 2,727 | 880 | 3,739 |
| 1970 | 25,508 | 5,302 | 3,417 | 3,986 | 3,830 | 3,088 | 1,059 | 4,667 |
| 1971 | 27,187 | 5,390 | 3,479 | 4,337 | 4,239 | 3,306 | 1,227 | 5,061 |
| 1972 | 27,719 | 5,142 | 3,454 | 4,253 | 4,541 | 3,430 | 1,322 | 5,435 |
| 1973 | 27,645 | 4,862 | 3,293 | 4,197 | 4,668 | 3,817 | 1,261 | 5,464 |
| 1974 | 26,585 | 4,517 | 3,110 | 4,031 | 4,724 | 3,606 | 1,226 | 5,322 |
| 1975 | 25,720 | 4,366 | 2,909 | 4,064 | 4,708 | 3,360 | 1,240 | 5,057 |
| 1976 | 25,247 | 4,036 | 2,738 | 4,004 | 4,850 | 3,208 | 1,185 | 5,190 |
| | | | | WOMEN | | | | |
| 1966 | 2,090 | 180 | 8 | 345 | 378 | 500 | 98 | 581 |
| 1967 | 2,440 | 209 | 9 | 418 | 448 | 561 | 101 | 688 |
| 1968 | 2,931 | 232 | 12 | 510 | 551 | 719 | 101 | 801 |
| 1969 | 3,386 | 261 | 10 | 567 | 659 | 837 | 126 | 901 |
| 1970 | 3,967 | 320 | 15 | 588 | 738 | 970 | 142 | 1,184 |
| 1971 | 4,585 | 340 | 16 | 714 | 916 | 1,060 | 175 | 1,342 |
| 1972 | 5,282 | 365 | 21 | 731 | 1,049 | 1,271 | 184 | 1,644 |
| 1973 | 6,082 | 376 | 45 | 871 | 1,243 | 1,547 | 200 | 1,784 |
| 1974 | 6,415 | 375 | 34 | 863 | 1,432 | 1,568 | 195 | 1,939 |
| 1975 | 7,193 | 394 | 50 | 958 | 1,599 | 1,686 | 206 | 2,292 |
| 1976 | 7,676 | 409 | 53 | 967 | 1,733 | 1,675 | 289 | 2,537 |

and 22.3% in the life sciences. For all the broad field groups the proportion of the 1976 cohort of doctorate recipients still seeking employment or further study at the time the questionnaire was completed is larger than that for the 1969 cohort. The increase is greatest in the arts and humanities which had the smallest proportion "still seeking", 14.0%, in 1969 and by 1976 had the largest proportion, 35.0%. The smallest change in proportion "still seeking", occurred in the life sciences where the proportion for the 1969 cohort was 21.2% and for the 1976 cohort was 22.3%.

Within the physical sciences both the physics and astronomy and the chemistry fields show a large drop in the number of Ph.D.'s who have definite employment plans and an increase from 1969 to 1972 or 1973 followed by a drop to 1976 in the number who have definite postdoctoral study plans. In both fields the number going on to further study now exceeds the number who have definite employment plans. In both fields the 1976 cohort of Ph.D.'s is considerably smaller than the 1969 cohort.

In mathematics the 1976 cohort is only 5.8% smaller than the 1969 cohort but there has been a 19.7% drop in the number who have definite employment plans and a 26.6% increase in the number still seeking employment.

The life sciences have shown a different pattern with a growth of 20.4% in number of Ph.D.'s from 1969 to 1976 and only a small change in proportion "still seeking" from 21.2% in 1969 to 22.3% in 1976. The biological sciences field within the life sciences differs from engineering, mathematics and the physical sciences in that it shows a 12.3% growth in number of Ph.D.'s from 1969 to 1976. It also shows a 6.7% growth in number that have definite employment or study plans but, as in the physical sciences, the growth is due to an increase in the number who have definite study plans. The medical sciences field shows a 51.8% growth from 1969 to 1976 in number of Ph.D.'s, a 92.5% growth in the number that have definite study plans and only a 24.9% growth in the number that have definite employment plans.

The social sciences have shown steady growth from 1969 to 1976 with a 66.0% increase in the number of Ph.D.'s. The growth in number of Ph.D.'s with definite employment or study commitment was only 43.9%, however, and there is an increase of over 1,000 doctorate recipients in those "still seeking", a group that showed an increase of 157.2% from 1969 to 1976. Within the social sciences fields, psychology shows growth and employment patterns very similar to those for the entire group of social sciences.

The field of education is similar to the social sciences field in that, except for one year, it has shown continuous growth in number of doctorate recipients from 1969 to 1976, increasing by 66.2% in this period. There has been an increase of 1,822 (51.8%) in the number who have definite employment or study plans at the time of Ph.D., but the number that are "still seeking" at time of graduation has more than doubled.

The arts and humanities have the highest proportion,

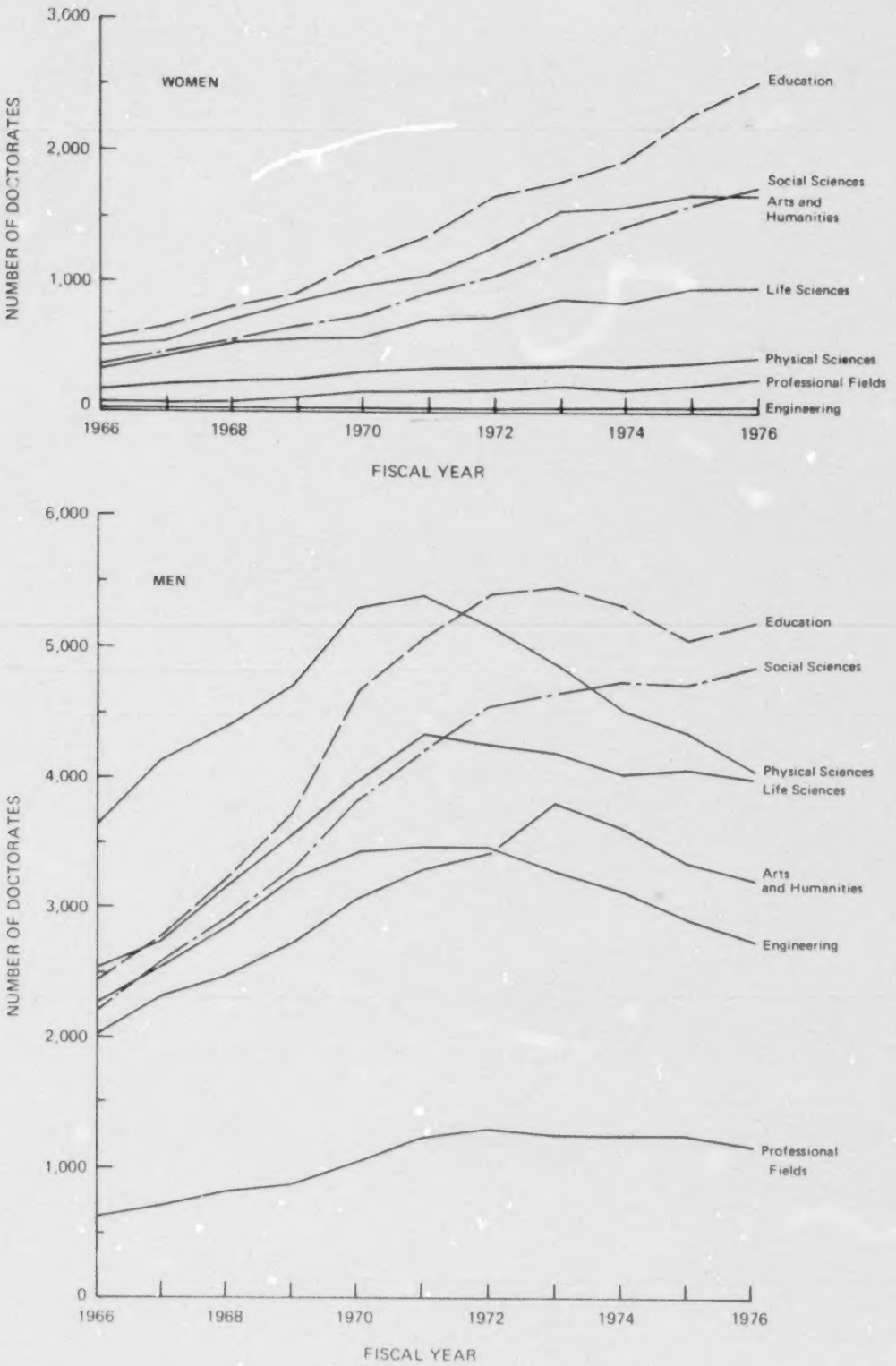



FIGURE 1
Number of United States Doctorates by Broad Field, 1966-1976

**TEXT TABLE B**

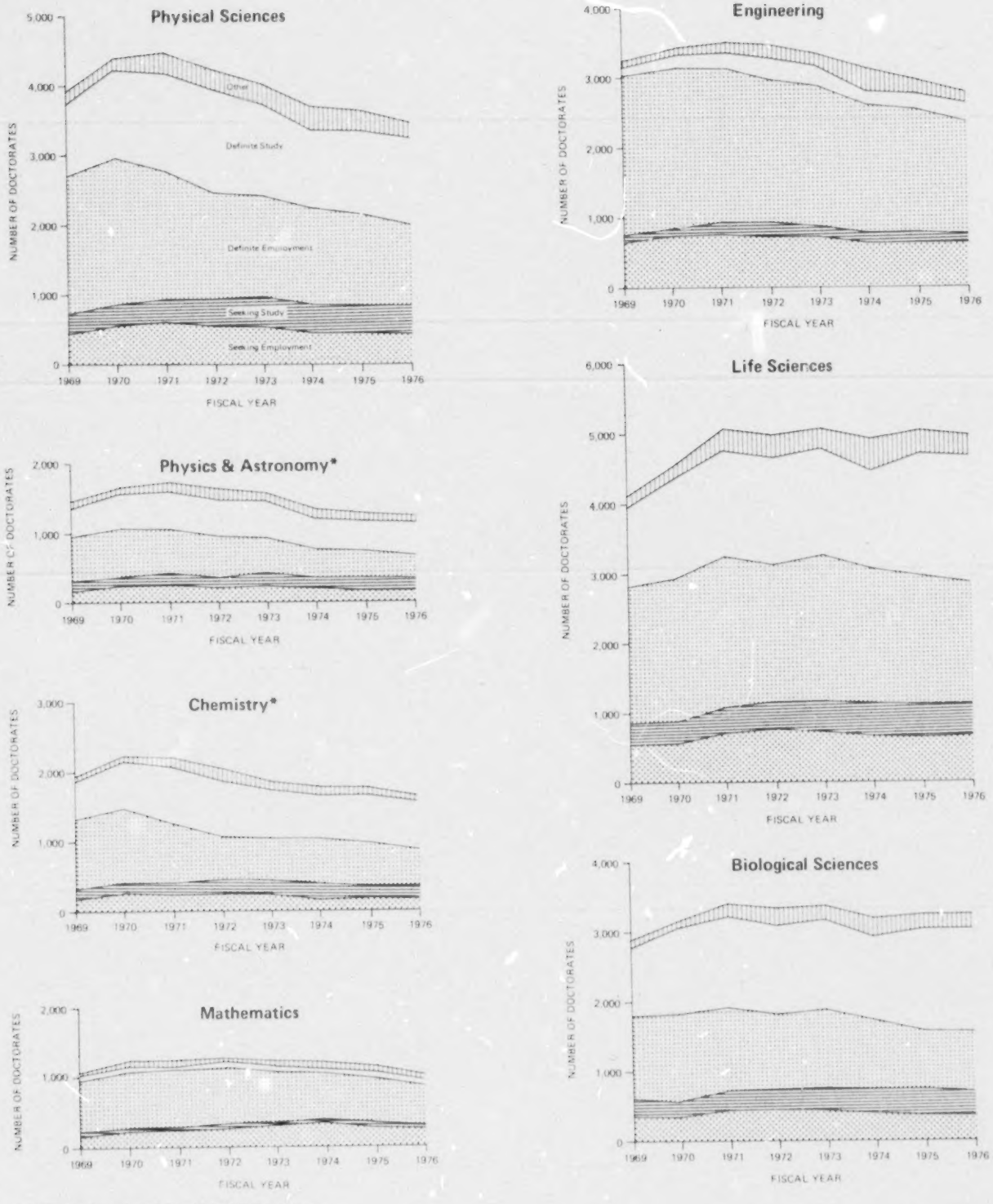
Postgraduation Employment and Study Plans of Doctorate Recipients in Broad Field Groups and Selected Fields, 1969-1976

| Postgraduation Plans | 1969 | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | %† | | | | | | | N | %† |
| **Physical Sciences** | | | | | | | | | | |
| Total | 3,910 | 100.1 | 4,400 | 4,494 | 4,226 | 4,015 | 3,705 | 3,611 | 3,443 | 100.0 |
| Seeking Employment | 444 | 11.4 | 571 | 607 | 554 | 539 | 466 | 460 | 434 | 12.6 |
| Seeking Study | 273 | 7.0 | 297 | 324 | 384 | 443 | 411 | 374 | 391 | 11.4 |
| Definite Employment | 1,981 | 50.7 | 2,078 | 1,853 | 1,546 | 1,436 | 1,366 | 1,332 | 1,175 | 34.1 |
| Definite Study | 1,043 | 26.7 | 1,267 | 1,413 | 1,440 | 1,324 | 1,128 | 1,202 | 1,205 | 35.0 |
| Unknown | 169 | 4.3 | 187 | 297 | 302 | 273 | 334 | 243 | 237 | 6.9 |
| **Chemistry*** | | | | | | | | | | |
| Total | 1,953 | 100.0 | 2,235 | 2,205 | 2,010 | 1,849 | 1,794 | 1,762 | 1,623 | 100.1 |
| Seeking Employment | 187 | 9.6 | 269 | 259 | 246 | 223 | 182 | 194 | 162 | 10.0 |
| Seeking Study | 125 | 6.4 | 135 | 145 | 205 | 214 | 209 | 169 | 181 | 11.2 |
| Definite Employment | 1,017 | 52.1 | 1,069 | 870 | 618 | 602 | 645 | 626 | 540 | 33.3 |
| Definite Study | 561 | 28.7 | 692 | 807 | 817 | 697 | 614 | 659 | 656 | 40.4 |
| Unknown | 63 | 3.2 | 70 | 124 | 124 | 113 | 144 | 114 | 84 | 5.2 |
| **Engineering** | | | | | | | | | | |
| Total | 3,251 | 100.0 | 3,433 | 3,500 | 3,476 | 3,339 | 3,122 | 2,959 | 2,791 | 100.1 |
| Seeking Employment | 663 | 20.4 | 752 | 772 | 754 | 724 | 624 | 620 | 613 | 22.0 |
| Seeking Study | 79 | 2.4 | 98 | 154 | 181 | 173 | 157 | 160 | 144 | 5.2 |
| Definite Employment | 2,266 | 69.7 | 2,310 | 2,190 | 2,054 | 2,001 | 1,809 | 1,780 | 1,587 | 56.9 |
| Definite Study | 153 | 4.7 | 180 | 234 | 299 | 298 | 208 | 228 | 285 | 10.2 |
| Unknown | 90 | 2.8 | 93 | 150 | 188 | 143 | 324 | 171 | 162 | 5.8 |
| **Biological Sciences*** | | | | | | | | | | |
| Total | 2,890 | 100.0 | 3,169 | 3,408 | 3,316 | 3,388 | 3,196 | 3,247 | 3,245 | 100.0 |
| Seeking Employment | 352 | 12.2 | 351 | 429 | 445 | 435 | 396 | 373 | 365 | 11.2 |
| Seeking Study | 248 | 8.6 | 236 | 287 | 278 | 330 | 338 | 356 | 333 | 10.3 |
| Definite Employment | 1,194 | 41.3 | 1,219 | 1,187 | 1,081 | 1,127 | 991 | 860 | 844 | 26.0 |
| Definite Study | 986 | 34.1 | 1,245 | 1,299 | 1,287 | 1,301 | 1,182 | 1,451 | 1,483 | 45.7 |
| Unknown | 110 | 3.8 | 118 | 206 | 225 | 195 | 289 | 207 | 220 | 6.8 |
| **Social Sciences** | | | | | | | | | | |
| Total | 3,965 | 100.0 | 4,564 | 5,174 | 5,635 | 5,933 | 6,168 | 6,307 | 6,583 | 100.0 |
| Seeking Employment | 551 | 13.9 | 675 | 740 | 842 | 1,010 | 1,123 | 1,283 | 1,435 | 21.8 |
| Seeking Study | 92 | 2.3 | 76 | 91 | 116 | 125 | 163 | 165 | 219 | 3.3 |
| Definite Employment | 2,885 | 72.8 | 3,310 | 3,750 | 3,947 | 4,102 | 3,915 | 4,065 | 4,056 | 61.6 |
| Definite Study | 239 | 6.0 | 299 | 310 | 321 | 348 | 343 | 367 | 440 | 6.7 |
| Unknown | 198 | 5.0 | 204 | 283 | 379 | 348 | 624 | 427 | 433 | 6.6 |
| **Arts & Humanities** | | | | | | | | | | |
| Total | 3,566 | 99.9 | 4,067 | 4,376 | 4,705 | 5,362 | 5,167 | 5,046 | 4,883 | 100.0 |
| Seeking Employment | 475 | 13.3 | 589 | 730 | 964 | 1,293 | 1,389 | 1,570 | 1,586 | 32.5 |
| Seeking Study | 23 | 0.6 | 31 | 51 | 63 | 120 | 109 | 116 | 125 | 2.6 |
| Definite Employment | 2,783 | 78.0 | 3,121 | 3,189 | 3,182 | 3,391 | 2,960 | 2,775 | 2,593 | 53.1 |
| Definite Study | 57 | 1.6 | 79 | 84 | 93 | 135 | 101 | 108 | 87 | 1.8 |
| Unknown | 228 | 6.4 | 247 | 322 | 403 | 423 | 608 | 477 | 492 | 10.0 |

| Postgraduation Plans | 1969 | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | N | %† | | | | | | | N | %† |
| **Physics & Astronomy*** | | | | | | | | | | |
| Total | 1,454 | 100.0 | 1,655 | 1,737 | 1,634 | 1,588 | 1,334 | 1,293 | 1,235 | 100.0 |
| Seeking Employment | 191 | 13.1 | 242 | 269 | 225 | 227 | 200 | 190 | 187 | 15.1 |
| Seeking Study | 125 | 8.6 | 135 | 152 | 147 | 180 | 167 | 166 | 164 | 13.3 |
| Definite Employment | 642 | 44.2 | 693 | 637 | 582 | 517 | 402 | 386 | 331 | 26.8 |
| Definite Study | 410 | 28.2 | 487 | 522 | 532 | 535 | 433 | 447 | 433 | 35.1 |
| Unknown | 86 | 5.9 | 98 | 157 | 148 | 129 | 132 | 104 | 120 | 9.7 |
| **Mathematics** | | | | | | | | | | |
| Total | 1,065 | 100.1 | 1,224 | 1,237 | 1,281 | 1,232 | 1,204 | 1,149 | 1,003 | 100.0 |
| Seeking Employment | 188 | 17.7 | 227 | 251 | 274 | 304 | 335 | 274 | 238 | 23.7 |
| Seeking Study | 23 | 2.2 | 25 | 27 | 43 | 33 | 52 | 39 | 44 | 4.4 |
| Definite Employment | 750 | 70.4 | 842 | 827 | 812 | 733 | 662 | 669 | 602 | 60.0 |
| Definite Study | 70 | 6.6 | 72 | 63 | 83 | 83 | 57 | 79 | 60 | 6.0 |
| Unknown | 34 | 3.2 | 58 | 69 | 69 | 79 | 98 | 88 | 59 | 5.9 |
| **Life Sciences** | | | | | | | | | | |
| Total | 4,127 | 100.0 | 4,576 | 5,072 | 4,993 | 5,082 | 4,906 | 5,022 | 4,971 | 100.0 |
| Seeking Employment | 558 | 13.5 | 584 | 715 | 771 | 738 | 678 | 661 | 668 | 13.4 |
| Seeking Study | 317 | 7.7 | 302 | 366 | 373 | 431 | 445 | 447 | 443 | 8.9 |
| Definite Employment | 1,936 | 46.9 | 2,065 | 2,173 | 1,978 | 2,073 | 1,924 | 1,883 | 1,745 | 35.1 |
| Definite Study | 1,161 | 28.1 | 1,443 | 1,523 | 1,536 | 1,554 | 1,410 | 1,718 | 1,789 | 36.0 |
| Unknown | 155 | 3.8 | 182 | 295 | 335 | 286 | 449 | 313 | 326 | 6.6 |
| **Medical Sciences*** | | | | | | | | | | |
| Total | 425 | 100.0 | 489 | 592 | 592 | 578 | 607 | 571 | 645 | 99.9 |
| Seeking Employment | 54 | 12.7 | 67 | 83 | 73 | 87 | 75 | 67 | 75 | 11.6 |
| Seeking Study | 32 | 7.5 | 20 | 26 | 36 | 28 | 38 | 32 | 56 | 8.7 |
| Definite Employment | 213 | 50.1 | 250 | 295 | 263 | 276 | 273 | 270 | 266 | 41.2 |
| Definite Study | 107 | 25.2 | 118 | 135 | 166 | 142 | 140 | 159 | 206 | 31.9 |
| Unknown | 19 | 4.5 | 34 | 53 | 54 | 45 | 81 | 43 | 42 | 6.5 |
| **Psychology*** | | | | | | | | | | |
| Total | 1,756 | 100.0 | 1,888 | 2,130 | 2,278 | 2,457 | 2,594 | 2,749 | 2,878 | 100.1 |
| Seeking Employment | 299 | 17.0 | 353 | 368 | 441 | 494 | 539 | 598 | 677 | 23.5 |
| Seeking Study | 66 | 3.8 | 36 | 56 | 55 | 74 | 89 | 99 | 137 | 4.8 |
| Definite Employment | 1,149 | 65.4 | 1,220 | 1,372 | 1,400 | 1,521 | 1,480 | 1,614 | 1,620 | 56.3 |
| Definite Study | 177 | 10.1 | 207 | 243 | 223 | 229 | 239 | 280 | 310 | 10.8 |
| Unknown | 65 | 3.7 | 72 | 91 | 159 | 139 | 247 | 158 | 134 | 4.7 |
| **Education** | | | | | | | | | | |
| Total | 4,649 | 100.0 | 5,857 | 6,432 | 7,083 | 7,237 | 7,235 | 7,349 | 7,727 | 100.0 |
| Seeking Employment | 897 | 19.3 | 1,296 | 1,331 | 1,521 | 1,618 | 1,627 | 1,721 | 1,807 | 23.4 |
| Seeking Study | 27 | 0.6 | 25 | 59 | 68 | 72 | 85 | 81 | 84 | 1.1 |
| Definite Employment | 3,479 | 74.8 | 4,263 | 4,767 | 5,065 | 5,114 | 4,822 | 5,108 | 5,231 | 67.7 |
| Definite Study | 40 | 0.9 | 81 | 79 | 75 | 102 | 109 | 93 | 110 | 1.4 |
| Unknown | 206 | 4.4 | 192 | 203 | 354 | 331 | 592 | 346 | 495 | 6.4 |

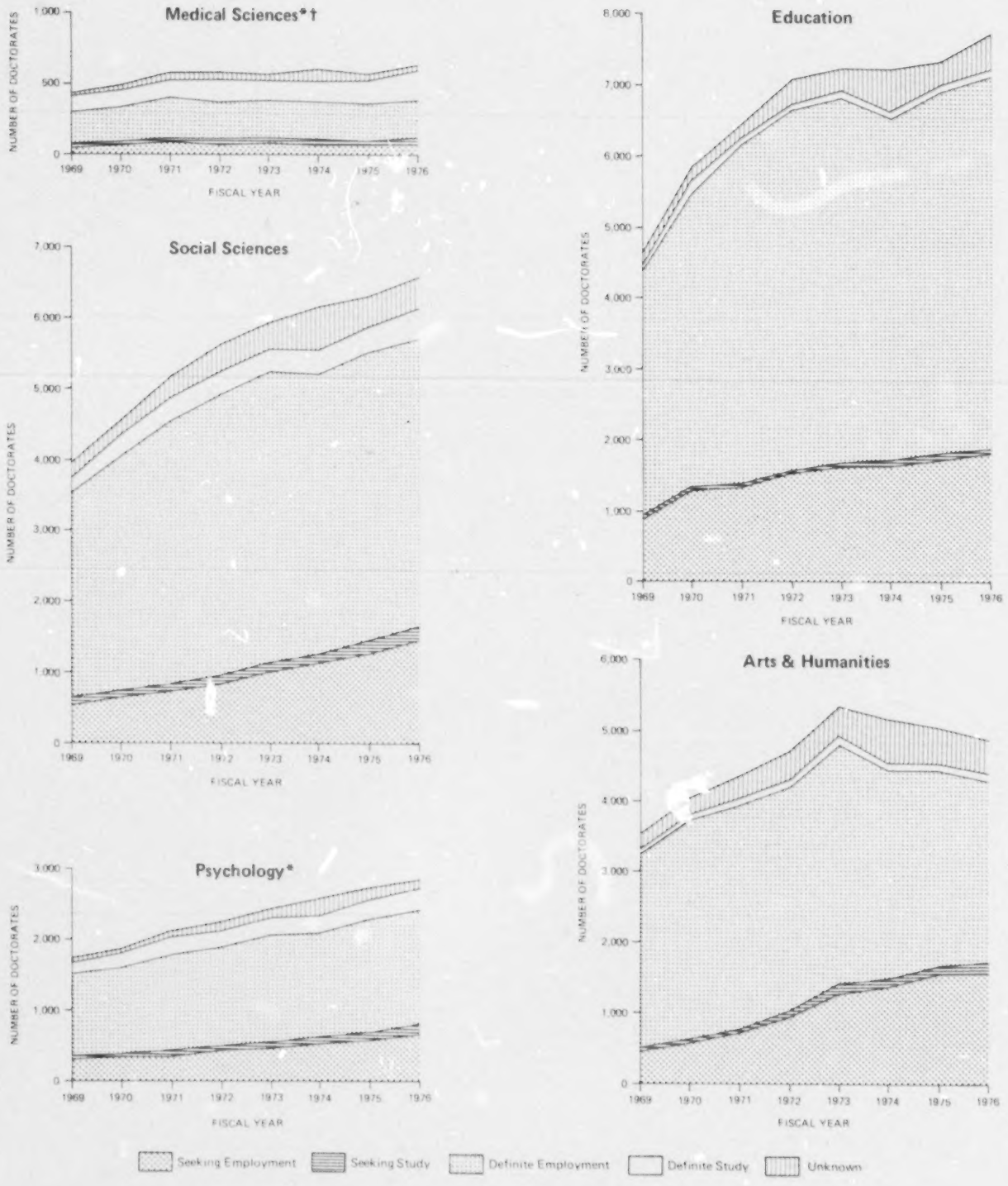
*A selected field within a broad field group.

†Percentages do not add to 100% because of rounding.




*A selected field within a broad field group.

FIGURE 2
Cumulative Postgraduation Employment and Study Plans of Doctorate Recipients in Broad Field Groups and in Selected Fields, 1969–1976




*A selected field within a broad field group.
†Note that a different vertical scale was used for this field because of the small number of doctorates.

FIGURE 2 Continued

TEXT TABLE C
Field Switching: Baccalaureate–PhD–First Employment Plans, FY 1976 Doctorate Recipients

| Baccalaureate Source Field (% same field as PhD; % major source other than PhD field; % other field) | | PhD Field (100%) | Field of First Planned Postdoctoral Employment (% based on Ph.D.'s planning employment; excludes postdoctoral study and no response) | |
|---|---|---|---|---|
| Physics & Astronomy | 80.2[1] | Physics & Astronomy | 44.2[2] | Same subfield of Physics & Astronomy |
| Engineering | 8.2 | 1,235 | 36.9 | Physics & Astronomy–different subfield |
| All other | 7.0 | | 18.9 | Other than Physics & Astronomy |
| Chemistry | 87.0 | Chemistry | 60.6 | Same subfield of Chemistry |
| Engineering | 3.3 | 1,623 | 30.1 | Chemistry–different subfield |
| All other | 6.3 | | 9.3 | Other than Chemistry |
| Earth Sciences | 51.4 | Earth Sciences | 66.9 | Same subfield of Earth Sciences |
| Physics & Astronomy | 13.5 | 584 | 25.7 | Earth Sciences–different subfield |
| All other | 35.0 | | 7.4 | Other than Earth Sciences |
| Mathematics | 78.0 | Mathematics | 64.2 | Same subfield of Mathematics |
| Engineering | 5.5 | 1,003 | 27.0 | Mathematics–different subfield |
| All other | 10.9 | | 8.8 | Other than Mathematics |
| Engineering | 80.5 | Engineering | 72.0 | Same subfield of Engineering |
| Physics & Astronomy | 6.6 | 2,791 | 19.7 | Engineering–different subfield |
| All other | 7.9 | | 8.3 | Other than Engineering |
| Basic Medical Sciences | 17.6 | Basic Medical Sciences | 51.2 | Same subfield of Basic Medical Sciences |
| Other Biosciences | 39.3 | 1,816 | 11.7 | Basic Med. Sciences–different subfield |
| All other | 37.3 | | 37.0 | Other than Basic Medical Sciences |
| Other Biosciences | 67.2 | Other Biosciences | 52.7 | Same subfield of Other Biosciences |
| Agricultural Sciences | 8.0 | 1,429 | 30.4 | Other Biosciences–different subfield |
| All other | 19.5 | | 16.8 | Other than Other Biosciences |
| Medical Sciences | 27.1 | Medical Sciences | 71.4 | Same subfield of Medical Sciences |
| Other Biosciences | 26.2 | 645 | 17.6 | Medical Sciences–different subfield |
| All other | 35.7 | | 11.0 | Other than Medical Sciences |
| Agricultural Sciences | 64.9 | Agricultural Sciences | 74.9 | Same subfield of Agricultural Sciences |
| Other Biosciences | 9.7 | 951 | 11.0 | Agricultural Sciences–different subfield |
| All other | 20.9 | | 14.1 | Other than Agricultural Sciences |
| Environmental Sciences | 3.1 | Environmental Sciences | 54.8 | Environmental Sciences |
| Engineering | 30.0 | 130 | 39.7 | Other Natural Sciences |
| All other | 62.3 | | 5.5 | All other |
| Psychology | 69.2 | Psychology | 66.6 | Same subfield of Psychology |
| Other Arts & Humanities | 4.2 | 2,878 | 25.1 | Psychology–different subfield |
| All other | 23.7 | | 8.3 | Other than Psychology |
| Economics, Econometrics | 62.1 | Economics, Econometrics | 88.2 | Same subfield: Economics or Econometrics |
| Professional Fields | 8.0 | 884 | 5.0 | Social Sciences–different subfield |
| All other | 25.8 | | 6.8 | Other than Social Sciences |
| Anthropology & Sociology | 50.9 | Anthropology & Sociology | 84.8 | Same subfield: Anthropology or Sociology |
| Other Arts & Humanities | 5.9 | 1,162 | 3.6 | Social Sciences–different subfield |
| All other | 36.8 | | 11.6 | Other than Social Sciences |
| Polit Sci, Publ Adm, Int Rel | 61.9 | Polit Sci, Publ Adm, Int Rel | 68.8 | Same subfield: Polit Sci, Publ Adm or Int Rel |
| History | 7.0 | 885 | 22.8 | Social Sciences–different subfield |
| All other | 24.4 | | 8.5 | Other than Social Sciences |
| Other Social Sciences | 24.3 | Other Social Sciences | 62.2 | Same subfield of Other Social Sciences |
| Professional Fields | 9.4 | 774 | 11.2 | Social Sciences–different subfield |
| All other | 61.0 | | 26.6 | Other than Social Sciences |

TEXT TABLE C (Continued)

| Baccalaureate Source Field | | PhD Field | Field of First Planned Postdoctoral Employment | |
|---|---|---|---|---|
| History | 63.3 | History | 65.3 | Same subfield of History |
| Other Arts & Humanities | 5.3 | 1,093 | 14.0 | Arts & Humanities–different subfield |
| All other | 24.4 | | 20.8 | Other than Arts & Humanities |
| Eng and Amer Lang & Lit | 79.4 | Eng and Amer Lang & Lit | 79.7 | Same subfield: Eng or Amer Lang & Lit |
| Other Arts & Humanities | 4.9 | 1,215 | 10.3 | Arts & Humanities–different subfield |
| All other | 11.7 | | 9.9 | Other than Arts & Humanities |
| Foreign Lang & Lit | 68.4 | Foreign Lang & Lit | 83.3 | Same subfield of Foreign Lang & Lit |
| Other Arts & Humanities | 7.0 | 915 | 7.9 | Arts & Humanities–different subfield |
| All other | 16.8 | | 8.8 | Other than Arts & Humanities |
| Other Arts & Humanities | 50.1 | Other Arts & Humanities | 76.4 | Same subfield of Other Arts & Humanities |
| Eng and Amer Lang & Lit | 12.0 | 1,660 | 13.4 | Arts & Humanities–different subfield |
| All other | 31.8 | | 10.1 | Other than Arts & Humanities |
| Professional Fields | 37.1 | Professional Fields | 84.1 | Same subfield of Professional Fields |
| Other Arts & Humanities | 9.4 | 1,474 | 1.2 | Professional Fields–different subfield |
| All other | 49.1 | | 14.7 | Other than Professional Fields |
| Education | 40.9 | Education | 51.7 | Same subfield of Education |
| Psychology | 7.9 | 7,727 | 27.0 | Education–different subfield |
| All other | 46.6 | | 21.2 | Other than Education |
| | | Total All Fields[3] | 66.2 | Total All Fields–same subfield |
| | | 32,923 | 19.1 | Total All Fields–different subfield |
| | | | 14.6 | All other |

[1] Percentages do not sum to 100% because of Ph.D.'s who do not have a baccalaureate.
[2] Percentages may not sum to 100% because of rounding.
[3] Includes the 49 cases for the field category "Other and Unspecified."

35.0%, of doctorate recipients "still seeking" at time of Ph.D. The number of Ph.D.'s awarded in this field peaked in 1973 and although the number had dropped by 8.9% by 1976, each year from 1974 to 1976 showed a decrease in the number who had definite employment or study plans and an increase in the number of Ph.D.'s still seeking employment or further study at time of Ph.D.

## FIELD SWITCHING: TWO-THIRDS OF THE 1976 PH.D.'s PLANNING ON POST-DOCTORAL EMPLOYMENT EXPECT TO WORK IN SUBFIELD OF PH.D.

Text Table C provides data on field switching between baccalaureate and Ph.D., and between Ph.D. and field of planned first postdoctoral employment. The first column provides data on the baccalaureate field of the doctorate recipients for 1976 shown by doctoral field in the middle column. For example, of the 1,235 who received doctorates in the field of physics and astronomy, 80.2% had received a baccalaureate in the same field. Among baccalaureate fields other than the doctoral field, engineering accounted for the largest proportion, 8.2%, of the Ph.D.'s in physics and astronomy. An additional 7.0% of the Ph.D.'s in physics and astronomy held baccalaureates in other fields. The third column shows that 44.2% of the physics and astronomy Ph.D.'s who planned on employment expected to be employed in their Ph.D. subfield, 36.9% expected employment in a different subfield of physics and astronomy and the other 18.9% expected to switch to fields other than physics and astronomy.

Of the Ph.D.'s who plan on employment at the time of the survey, 66.2% plan on employment in the same subfield as the Ph.D. subfield, 19.1% expect to work in a different subfield of the same field and 14.6% plan on employment in a field different from the Ph.D. field. Although considerable variation among fields is apparent in these field switching statistics, it should be remembered that the classification structure of fields and subfields can influence field switching statistics. For example, consider the possible changes in Table C that might result from splitting the subfield "probability, mathematical statistics" into two sub-

fields "probability" and "mathematical statistics". Since mobility between these two subfields is feasible it is possible that the proportion planning employment in the "same subfield of Mathematics" would decrease slightly and the percentage planning employment in "Mathematics—different subfield" would increase slightly.

A table similar to Table C was included in the *Summary Report 1969: Doctorate Recipients from United States Universities.* Between 1969 and 1976 there were numerous additions and deletions of subfields and some regrouping of subfields within fields so that generally the data for the two years are not comparable.

## EXPLANATION OF FIVE BASIC TABLES

TABLE 1 Number of Doctorate Recipients by Sex and Subfields, FY 1976

TABLE 2 Statistical Profile of Doctorate Recipients by Sex and by Field of Doctorate, FY 1976 (three tables)

TABLE 3 Percentage of FY 1976 Doctorate Recipients by Sources of Support in Graduate School, by Sex and Summary Field

TABLE 4 Number of FY 1976 Doctorate Recipients by Sex, State of Doctoral Institution and Summary Field

TABLE 5 Statistical Profile of Doctorate Recipients by Racial or Ethnic Group and U.S. Citizenship Status, FY 1976

Table titles and headings are generally self-explanatory, but a few terms need special definition or explanation.

Table 2:

There are three 2-page tables; one contains data about all doctorate recipients of FY 1976 and the other two present data by sex. The doctoral fields that head Table 2 are the same as those in the 1972-75 reports but differ from those in the Summary Reports for 1967-71. This table provides data by field and also by broader summary field. Refer to inside back cover for the codes included in each broad field and the Specialties List on page 28 for the codes and the names of each subfield.

"Median Age at Doctorate"—One-half received the doctorate at this age or younger.

"Percent with Master's"—This indicates the percentage of doctorate recipients in a field who received a master's degree in any field before taking the doctorate.

"Median Time Lapse"—**Total Time** refers to total calendar time elapsed between year of baccalaureate and year of doctorate; **Registered Time** refers to the total time registered in a university between baccalaureate and doctorate.

Postgraduation plans of the doctorate recipients are grouped as: **Postdoctoral study** (fellowship, research associateship, traineeship, other), **Employment** (educational institution, industry, etc.), or **Unknown**. The sum of the columns of percentages totals 100% with allowance for rounding. For example, 4.6% of all the engineers plan to go to postdoctoral fellowships, 9.3% to research associateships, 0.9% to traineeships, 0.6% plan on some other form of postdoctoral study support; 78.8% plan on employment; and 5.8% did not indicate their postgraduation plans. The percentages listed by type of employer (educational institution, industry, etc.) total to the 78.8% planning on employment.

Four lines of data, first included in the 1974 report, distinguish between individuals who have definite postgraduation plans (item R: "Have signed contract or made definite commitment" in the survey questionnaire reproduced on p. 27) and those who are still seeking employment or postdoctoral study (item R: negotiating, seeking, or other). These four lines when added to the prior line "status unknown" total 100%. The two lines for definite postdoctoral study and seeking postdoctoral study add to the total percentage planning study and the two lines for definite employment and seeking employment add to the total percentage planning employment.

Percentages showing the distribution of doctorate recipients by **work activity** and by **region of employment** are based on those who have a definite employment commitment. They exclude those still seeking employment and those planning postdoctoral study as described in the categories above. These data differ from Summary Reports prior to 1974 which included all individuals planning on employment, i.e. those seeking as well as those having definite employment.

Table 3:

Data in Table 3 describe sources of financial support during graduate school. The question was answered by 31,319 (95.1%) of the FY 1976 doctorate recipients. The data in the table should be interpreted as follows: 398 male doctorate recipients in the physical sciences reported financial support from NSF fellowships during graduate school. This number is 10.2% of the male physical science doctorates who answered the question, and it is 36.0% of the males in all fields who reported NSF fellowship support. Since students indicate multiple sources of support, the vertical percentages sum to more than 100%.

Table 4:

Table 4 shows the **number of persons** receiving a doctorate from universities in each of the 50 states, the District of Columbia and Puerto Rico.

Table 5:

The 1973 Summary Report was the first to include data for racial and ethnic groups. The tables in that report stimulated many requests for more detailed data by individual racial or ethnic group. Such data are provided in Table 5, first included in the 1974 Summary Report. Table 5 contains data by race or ethnic group and by U.S. citizenship status for selected variables from Tables 2 and 3. Comparisons between the 1973 data and data for subsequent years are somewhat tenuous because of the large number of cases (8,592) for which racial or ethnic data were unavailable in 1973.

TABLE 1
NUMBER OF DOCTORATE RECIPIENTS BY SEX AND SUBFIELDS, FISCAL YEAR 1976

| SUBFIELD OF DOCTORATE | NUMBER OF DOCTORATES | | |
|---|---|---|---|
| | MEN | WOMEN | TOTAL |
| TOTAL ALL FIELDS | 25247 | 7676 | 32923 |
| PHYSICAL SCIENCES | 4036 | 409 | 4445 |
| MATHEMATICS | 890 | 113 | 1003 |
| ALGEBRA | 86 | 29 | 115 |
| ANALYSIS AND FUNCTIONAL ANALYSIS | 127 | 14 | 141 |
| GEOMETRY | 20 | 3 | 23 |
| LOGIC | 31 | 3 | 34 |
| NUMBER THEORY | 24 | 2 | 26 |
| PROBABILITY, MATH STATISTICS | 143 | 22 | 165 |
| TOPOLOGY | 66 | 6 | 72 |
| COMPUTING THEORY AND PRACTICE | 131 | 16 | 147 |
| OPERATIONS RESEARCH | 35 | 1 | 36 |
| APPLIED | 102 | 2 | 104 |
| MATHEMATICS, GENERAL | 85 | 12 | 97 |
| MATHEMATICS, OTHER | 40 | 3 | 43 |
| PHYSICS AND ASTRONOMY | 1181 | 54 | 1235 |
| ASTRONOMY | 71 | 7 | 78 |
| ASTROPHYSICS | 68 | 4 | 72 |
| ATOMIC AND MOLECULAR | 114 | 2 | 116 |
| ELECTROMAGNETISM | 12 | | 12 |
| MECHANICS | 4 | | 4 |
| ACOUSTICS | 9 | | 9 |
| FLUIDS | 19 | 1 | 20 |
| PLASMA | 74 | 1 | 75 |
| OPTICS | 48 | 2 | 50 |
| THERMAL | 4 | | 4 |
| ELEMENTARY PARTICLES | 123 | 5 | 128 |
| NUCLEAR STRUCTURE | 88 | 8 | 96 |
| SOLID STATE | 269 | 13 | 282 |
| PHYSICS, GENERAL | 168 | 7 | 175 |
| PHYSICS, OTHER | 110 | 4 | 114 |
| CHEMISTRY | 1434 | 189 | 1623 |
| ANALYTICAL | 141 | 10 | 151 |
| INORGANIC | 200 | 25 | 225 |
| ORGANIC | 453 | 42 | 495 |
| NUCLEAR | 24 | 1 | 25 |
| PHYSICAL | 299 | 55 | 354 |
| THEORETICAL | 41 | 6 | 47 |
| AGRICULTURAL AND FOOD | 11 | 3 | 14 |
| PHARMACEUTICAL | 46 | 9 | 55 |
| POLYMER | 39 | 2 | 41 |
| CHEMISTRY, GENERAL | 125 | 25 | 150 |
| CHEMISTRY, OTHER | 55 | 11 | 66 |
| EARTH SCIENCES | 531 | 53 | 584 |
| MINERALOGY, PETROLOGY | 46 | 1 | 47 |
| GEOCHEMISTRY | 46 | 3 | 49 |
| STRATIGRAPHY, SEDIMENTATION | 51 | 6 | 57 |
| PALEONTOLOGY | 36 | 7 | 43 |
| STRUCTURAL GEOLOGY | 21 | 1 | 22 |
| GEOPHYSICS (SOLID EARTH & ATMOS) | 31 | 2 | 33 |
| GEOPHYSICS (SOLID EARTH) | 38 | 2 | 40 |
| GEOMORPHOL, GLACIAL GEOLOGY | 26 | 3 | 29 |
| HYDROLOGY | 15 | | 15 |
| OCEANOGRAPHY | 75 | 14 | 89 |
| METEOROLOGY 1/ | 22 | 1 | 23 |
| ATMOSPHERIC PHYSICS AND CHEMISTRY 1/ | 13 | 3 | 16 |
| ATMOSPHERIC DYNAMICS 1/ | 14 | | 14 |
| ATMOSPHERIC SCIENCES, OTHER 1/ | 19 | 4 | 23 |
| APPL GEOL, GEOL ENG, ECON GEOL | 22 | 1 | 23 |
| FUEL TECHNOL, PETROL ENG | 3 | 1 | 4 |
| EARTH SCIENCES, GENERAL | 31 | 3 | 34 |
| EARTH SCIENCES, OTHER | 22 | 1 | 23 |
| ENGINEERING | 2738 | 53 | 2791 |
| AERONAUTICAL AND ASTRONAUTICAL | 122 | | 122 |
| AGRICULTURAL | 37 | | 37 |
| BIOMEDICAL | 71 | 2 | 73 |
| CIVIL | 310 | 4 | 314 |
| CHEMICAL | 307 | 7 | 314 |
| CERAMIC | 23 | | 23 |
| COMPUTER | 111 | 8 | 119 |
| ELECTRICAL | 505 | 7 | 512 |
| ELECTRONICS | 79 | | 79 |
| INDUSTRIAL | 65 | 2 | 67 |
| NUCLEAR | 132 | 2 | 134 |
| ENGINEERING MECHANICS | 112 | 1 | 113 |
| ENGINEERING PHYSICS | 19 | | 19 |
| MECHANICAL | 301 | 3 | 304 |
| METALLURGY AND PHYSICAL MET | 109 | 2 | 111 |
| SYSTEMS DESIGN, SYSTEMS SCIENCE | 67 | 1 | 68 |
| OPERATIONS RESEARCH | 79 | 3 | 82 |
| FUEL TECH, PETROLEUM | 17 | | 17 |
| SANITARY | 31 | 1 | 32 |
| MINING | 6 | | 6 |
| MATERIALS SCIENCE | 112 | 6 | 118 |
| ENGINEERING, GENERAL | 42 | | 42 |
| ENGINEERING, OTHER | 81 | 4 | 85 |
| LIFE SCIENCES | 4004 | 967 | 4971 |
| BIOLOGICAL SCIENCES | 2493 | 752 | 3245 |
| BIOCHEMISTRY | 475 | 141 | 616 |
| BIOPHYSICS | 103 | 20 | 123 |
| BIOMETRICS, BIOSTATISTICS | 38 | 8 | 46 |
| ANATOMY | 98 | 35 | 133 |
| CYTOLOGY | 32 | 14 | 46 |
| EMBRYOLOGY | 12 | 1 | 13 |
| IMMUNOLOGY | 63 | 30 | 93 |
| BOTANY | 142 | 39 | 181 |
| ECOLOGY | 121 | 19 | 140 |
| HYDROBIOLOGY | 12 | 1 | 13 |
| MICROBIOLOGY AND BACTERIOLOGY | 266 | 93 | 359 |
| PHYSIOLOGY, ANIMAL | 232 | 53 | 285 |
| PHYSIOLOGY, PLANT | 47 | 14 | 61 |
| ZOOLOGY | 215 | 43 | 258 |
| GENETICS | 99 | 44 | 143 |
| ENTOMOLOGY | 136 | 8 | 144 |
| MOLECULAR BIOLOGY | 105 | 43 | 148 |
| NUTRITION AND/OR DIETETICS | 41 | 43 | 84 |
| BIOL SCIENCES, GENERAL | 131 | 57 | 188 |
| BIOL SCIENCES, OTHER | 125 | 46 | 171 |
| AGRICULTURAL SCIENCES | 897 | 54 | 951 |
| AGRONOMY | 142 | 3 | 145 |
| AGRICULTURAL ECONOMICS | 159 | 4 | 163 |
| ANIMAL HUSBANDRY | 16 | 1 | 17 |
| FOOD SCIENCE AND TECHNOLOGY | 70 | 21 | 91 |
| FISH AND WILDLIFE | 53 | 2 | 55 |
| FORESTRY | 80 | | 80 |
| HORTICULTURE | 47 | 4 | 51 |
| SOILS AND SOIL SCIENCE | 67 | 2 | 69 |
| ANIMAL SCIENCES | 111 | 8 | 119 |
| PHYTOPATHOLOGY | 78 | 5 | 83 |
| AGRICULTURE, GENERAL | 8 | 1 | 9 |
| AGRICULTURE, OTHER | 66 | 3 | 69 |
| MEDICAL SCIENCES | 502 | 143 | 645 |
| MEDICINE AND SURGERY | 9 | | 9 |
| PUBLIC HEALTH | 71 | 41 | 112 |
| VETERINARY MEDICINE | 36 | 1 | 37 |
| HOSPITAL ADMINISTRATION | 2 | | 2 |
| PARASITOLOGY | 17 | 2 | 19 |
| PATHOLOGY | 70 | 23 | 93 |
| PHARMACOLOGY | 180 | 25 | 205 |
| PHARMACY | 54 | 9 | 63 |
| MEDICAL SCIENCES, GENERAL | 13 | 1 | 14 |
| MEDICAL SCIENCES, OTHER | 50 | 41 | 91 |
| ENVIRONMENTAL SCIENCES | 112 | 18 | 130 |

1/ Meteorology was divided into three subfields, Atmospheric Physics and Chemistry, Atmospheric Dynamics, and Atmospheric Sciences, Other in the 1976 questionnaire. Because a number of doctorate recipients reported on old forms, both the old and new fields have been retained in the table.

TABLE I. CONTINUED

| SUBFIELD OF DOCTORATE | NUMBER OF DOCTORATES | | |
|---|---|---|---|
| | MEN | WOMEN | TOTAL |
| SOCIAL SCIENCES (INCL PSYCH) | 4850 | 1733 | 6583 |
| ANTHROPOLOGY | 271 | 157 | 428 |
| COMMUNICATIONS | 191 | 89 | 280 |
| SOCIOLOGY | 511 | 223 | 734 |
| ECONOMICS | 762 | 92 | 854 |
| ECONOMETRICS | 29 | 1 | 30 |
| STATISTICS | 30 | 5 | 35 |
| GEOGRAPHY | 140 | 16 | 156 |
| AREA STUDIES | 22 | 8 | 30 |
| POLITICAL SCIENCE, PUBLIC ADMIN 2/ | 32 | 8 | 40 |
| POLITICAL SCIENCE 2/ | 522 | 106 | 628 |
| PUBLIC ADMINISTRATION 2/ | 84 | 11 | 95 |
| INTERNATIONAL RELATIONS | 110 | 12 | 122 |
| URBAN AND REGIONAL PLANNING | 78 | 14 | 92 |
| SOCIAL SCIENCES, GENERAL | 25 | 10 | 35 |
| SOCIAL SCIENCES, OTHER | 111 | 35 | 146 |
| PSYCHOLOGY | 1932 | 946 | 2878 |
| CLINICAL | 606 | 275 | 881 |
| COUNSELING AND GUIDANCE | 175 | 91 | 266 |
| DEVELOP AND GERONTOL | 88 | 102 | 190 |
| EDUCATIONAL | 79 | 45 | 124 |
| SCHOOL PSYCHOLOGY | 77 | 66 | 143 |
| EXPERIMENTAL | 269 | 88 | 357 |
| COMPARATIVE | 19 | 9 | 28 |
| PHYSIOLOGICAL | 95 | 38 | 133 |
| INDUSTRIAL AND PERSONNEL | 63 | 10 | 73 |
| PERSONALITY | 31 | 31 | 62 |
| PSYCHOMETRICS | 26 | 1 | 27 |
| SOCIAL | 148 | 61 | 209 |
| PSYCHOLOGY, GENERAL | 139 | 77 | 216 |
| PSYCHOLOGY, OTHER | 117 | 52 | 169 |
| ARTS AND HUMANITIES | 3208 | 1675 | 4883 |
| ART, APPLIED | | | |
| ART, HISTORY AND CRITICISM | 62 | 83 | 145 |
| HISTORY, AMERICAN | 305 | 79 | 384 |
| HISTORY, EUROPEAN | 228 | 57 | 285 |
| HISTORY, OTHER | 306 | 82 | 388 |
| HISTORY AND PHILOSOPHY OF SCIENCE | 22 | 14 | 36 |
| AMERICAN STUDIES | 61 | 25 | 86 |
| MUSIC | 282 | 71 | 353 |
| SPEECH AS A DRAMATIC ART | 68 | 30 | 98 |
| ARCHEOLOGY | 10 | 12 | 22 |
| RELIGION | 157 | 17 | 174 |
| PHILOSOPHY | 321 | 61 | 382 |
| LINGUISTICS | 82 | 70 | 152 |
| COMPARATIVE LITERATURE | 67 | 90 | 157 |
| AMERICAN LANG AND LIT | 134 | 103 | 237 |
| ENGLISH LANG AND LIT | 573 | 405 | 978 |
| GERMAN LANG AND LIT | 85 | 93 | 178 |
| RUSSIAN LANG AND LIT | 30 | 28 | 58 |
| FRENCH LANG AND LIT | 92 | 150 | 242 |
| SPANISH AND PORTUGUESE LANG AND LIT | 129 | 106 | 235 |
| ITALIAN LANG AND LIT | 19 | 5 | 24 |
| CLASSICAL LANG AND LIT | 47 | 32 | 79 |
| OTHER LANGUAGES | 70 | 29 | 99 |
| ARTS AND HUMANITIES, GENERAL | 19 | 9 | 28 |
| ARTS AND HUMANITIES, OTHER | 39 | 24 | 63 |
| PROFESSIONAL FIELDS | 1185 | 289 | 1474 |
| THEOLOGY | 172 | 18 | 190 |
| BUSINESS ADMINISTRATION | 704 | 34 | 738 |
| HOME ECONOMICS | 8 | 60 | 68 |
| JOURNALISM | 14 | 1 | 15 |
| SPEECH AND HEARING SCIENCES | 91 | 54 | 145 |
| LAW, JURISPRUDENCE | 19 | 1 | 20 |
| SOCIAL WORK | 82 | 74 | 156 |
| LIBRARY AND ARCHIVAL SCIENCE | 29 | 25 | 54 |
| PROFESSIONAL FIELDS, OTHER | 66 | 22 | 88 |

| SUBFIELD OF DOCTORATE | NUMBER OF DOCTORATES | | |
|---|---|---|---|
| | MEN | WOMEN | TOTAL |
| EDUCATION | 5190 | 2537 | 7727 |
| FOUNDATIONS, SOCIAL, PHILOS | 178 | 68 | 246 |
| EDUCATIONAL PSYCHOLOGY | 283 | 207 | 490 |
| ELEMENTARY EDUCATION, GENERAL | 80 | 138 | 218 |
| SECONDARY EDUCATION, GENERAL | 127 | 52 | 179 |
| HIGHER EDUCATION | 484 | 165 | 649 |
| ADULT EDUC AND EXTENSION EDUC | 135 | 56 | 191 |
| EDUCATIONAL MEAS AND STATISTICS | 69 | 34 | 103 |
| CURRICULUM AND INSTRUCTION | 444 | 342 | 786 |
| EDUCATIONAL ADMIN AND SUPERVISION | 1368 | 306 | 1674 |
| GUIDANCE,COUNS,STUDENT PERSONNEL | 474 | 219 | 693 |
| SPECIAL EDUC,GIFTED,HANDICAPPED,ETC | 174 | 142 | 316 |
| AUDIO-VISUAL MEDIA | 77 | 15 | 92 |
| TEACHING FIELDS | | | |
| AGRICULTURE | 31 | | 31 |
| ART | 30 | 29 | 59 |
| BUSINESS | 43 | 29 | 72 |
| ENGLISH | 34 | 59 | 93 |
| FOREIGN LANGUAGE | 14 | 16 | 30 |
| HOME ECONOMICS | | 28 | 28 |
| INDUSTRIAL ARTS | 45 | | 45 |
| MATHEMATICS | 60 | 36 | 96 |
| MUSIC | 71 | 28 | 99 |
| PHYS ED, HEALTH, AND REC | 237 | 100 | 337 |
| READING | 24 | 88 | 112 |
| SCIENCE | 86 | 20 | 106 |
| SOCIAL SCIENCE | 43 | 11 | 54 |
| SPEECH | 18 | 7 | 25 |
| VOCATIONAL | 123 | 51 | 174 |
| OTHER TEACHING FIELDS | 23 | 34 | 57 |
| EDUCATION, GENERAL | 279 | 153 | 432 |
| EDUCATION, OTHER | 136 | 104 | 240 |
| OTHER AND UNSPECIFIED | 36 | 13 | 49 |

2/ Political Science and Public Administration were divided into two subfields in the 1976 questionnaire. Because a number of doctorate recipients reported on old forms, both the old and new fields have been retained in the table.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File

TABLE 2
STATISTICAL PROFILE OF DOCTORATE RECIPIENTS BY FIELD OF DOCTORATE, FY 1976 1/

TOTAL ALL DOCTORATES

| | FY 1976 TOTAL | PHYSICS AND ASTRONOMY | CHEMISTRY | EARTH SCIENCES | PHYSICAL SCIENCES | MATHEMATICS | ENGINEERING | EMP FIELDS | BASIC MEDICAL SCIENCES | OTHER BIOSCIENCES | BIOSCIENCES | MEDICAL SCIENCES | AGRICULTURAL SCIENCES | ENVIRONMENTAL SCIENCES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER IN FIELD | 32923 | 1235 | 1621 | 584 | 3442 | 1003 | 2791 | 7236 | 1816 | 1429 | 3245 | 645 | 951 | 130 |
| MALE % | 76.7 | 95.6 | 88.4 | 90.9 | 91.4 | 88.7 | 98.1 | 93.6 | 76.3 | 77.5 | 76.8 | 77.8 | 94.3 | 86.2 |
| FEMALE % | 23.3 | 4.4 | 11.6 | 9.1 | 8.6 | 11.3 | 1.9 | 6.4 | 23.7 | 22.5 | 23.2 | 22.2 | 5.7 | 13.8 |
| U.S. CITIZENSHIP % | 82.6 | 73.4 | 77.6 | 77.6 | 76.1 | 74.6 | 54.9 | 67.7 | 83.5 | 84.3 | 83.8 | 78.1 | 62.4 | 76.9 |
| FOREIGN CITIZENSHIP % | 15.2 | 24.5 | 20.9 | 20.9 | 22.2 | 23.7 | 42.4 | 30.2 | 13.4 | 13.5 | 13.5 | 18.6 | 36.5 | 20.0 |
| UNKNOWN % | 2.2 | 2.0 | 1.5 | 1.5 | 1.7 | 1.7 | 2.7 | 2.1 | 3.1 | 2.2 | 2.7 | 3.3 | 1.2 | 3.1 |
| MARRIED % | 68.2 | 62.6 | 66.1 | 72.8 | 66.0 | 62.5 | 68.5 | 66.5 | 65.6 | 67.5 | 66.4 | 70.2 | 79.4 | 64.6 |
| NOT MARRIED % | 28.1 | 33.8 | 31.0 | 24.3 | 30.9 | 34.6 | 28.0 | 30.3 | 30.7 | 28.8 | 29.9 | 25.9 | 18.4 | 30.8 |
| UNKNOWN % | 3.7 | 3.6 | 2.9 | 2.9 | 3.1 | 2.9 | 3.4 | 3.2 | 3.7 | 3.7 | 3.7 | 3.9 | 2.2 | 4.6 |
| MEDIAN AGE AT DOCTORATE | 31.6 | 29.1 | 28.5 | 30.3 | 29.0 | 29.1 | 30.2 | 29.4 | 29.0 | 30.0 | 29.4 | 30.9 | 31.4 | 30.1 |
| PERCENT WITH BACC IN SAME FIELD AS DOCTORATE | 56.2 | 80.2 | 87.0 | 51.4 | 78.5 | 78.0 | 80.5 | 79.2 | 17.6 | 67.2 | 39.5 | 27.1 | 64.9 | 3.1 |
| PERCENT WITH MASTERS | 82.0 | 67.4 | 40.4 | 79.6 | 56.8 | 80.5 | 90.8 | 73.2 | 46.5 | 68.9 | 56.4 | 56.6 | 90.0 | 90.8 |
| MEDIAN TIME LAPSE FROM BACC TO DOCT | | | | | | | | | | | | | | |
| TOTAL TIME YRS | 8.6 | 7.0 | 6.2 | 7.8 | 6.7 | 6.9 | 7.5 | 7.0 | 6.6 | 7.4 | 6.9 | 7.9 | 8.3 | 7.3 |
| REGISTERED TIME YRS | 6.0 | 6.1 | 5.2 | 5.9 | 5.6 | 5.5 | 5.6 | 5.6 | 5.5 | 5.9 | 5.7 | 5.7 | 5.4 | 5.5 |
| POSTDOCTORAL STUDY PLANS % | 16.6 | 48.3 | 51.6 | 27.7 | 46.4 | 10.4 | 15.4 | 29.4 | 70.3 | 37.7 | 56.0 | 40.6 | 14.2 | 14.6 |
| FELLOWSHIP | 8.1 | 17.3 | 24.8 | 11.0 | 19.8 | 4.0 | 4.6 | 11.7 | 44.9 | 20.7 | 34.2 | 21.6 | 6.0 | 5.4 |
| RESEARCH ASSOC | 6.2 | 29.4 | 24.7 | 16.6 | 25.0 | 4.7 | 9.3 | 16.1 | 17.4 | 13.7 | 15.8 | 9.5 | 7.4 | 8.5 |
| TRAINEESHIP | .6 | .5 | .7 | .0 | .5 | .2 | .9 | .6 | 1.7 | .8 | 1.3 | 2.2 | .4 | .0 |
| OTHER | 1.6 | 1.1 | 1.3 | .2 | 1.0 | 1.5 | .6 | .9 | 6.3 | 2.5 | 4.7 | 7.4 | .4 | .8 |
| PLANNED EMPLOYMENT AFTER DOCTORATE % | 76.5 | 41.9 | 43.3 | 66.6 | 46.7 | 83.7 | 78.8 | 64.2 | 24.0 | 54.1 | 37.3 | 52.9 | 79.9 | 79.2 |
| EDUC INSTITUTION | 51.6 | 16.7 | 12.3 | 26.7 | 16.3 | 64.8 | 25.0 | 26.4 | 13.4 | 35.5 | 23.2 | 30.5 | 43.4 | 31.5 |
| INDUSTRY/BUSINESS | 8.7 | 12.7 | 24.5 | 19.2 | 19.4 | 9.2 | 37.7 | 25.0 | 3.8 | 4.8 | 4.3 | 9.3 | 12.9 | 16.2 |
| GOVERNMENT | 8.7 | 8.3 | 4.1 | 16.8 | 7.7 | 6.9 | 11.6 | 9.1 | 3.5 | 7.8 | 5.4 | 8.4 | 17.9 | 25.4 |
| NONPROFIT | 3.9 | .6 | .8 | 1.2 | .8 | .7 | 1.8 | 1.2 | 1.8 | 2.0 | 1.8 | 2.8 | 1.9 | 2.3 |
| OTHER & UNKNOWN | 3.6 | 3.6 | 1.6 | 2.7 | 2.5 | 2.2 | 2.8 | 2.6 | 1.5 | 4.0 | 2.6 | 1.9 | 3.8 | 3.8 |
| POSTDOCT STATUS UNKN % | 7.0 | 9.7 | 5.2 | 5.7 | 6.9 | 5.9 | 5.8 | 6.3 | 5.7 | 8.2 | 6.8 | 6.5 | 5.9 | 6.2 |
| DEFINITE POSTDOCTORAL STUDY | 12.1 | 35.1 | 40.4 | 19.9 | 35.0 | 6.0 | 10.2 | 21.4 | 59.3 | 28.4 | 45.7 | 31.9 | 9.1 | 10.0 |
| SEEKING POSTDOCTORAL STUDY | 4.4 | 13.3 | 11.2 | 7.9 | 11.4 | 4.4 | 5.2 | 8.0 | 11.0 | 9.3 | 10.3 | 8.7 | 5.0 | 4.6 |
| DEFINITE EMPLOYMENT | 55.2 | 26.8 | 33.3 | 52.1 | 34.1 | 60.0 | 56.9 | 46.5 | 18.1 | 36.1 | 26.0 | 41.2 | 59.5 | 53.1 |
| SEEKING EMPLOYMENT | 21.3 | 15.1 | 10.0 | 14.6 | 12.6 | 23.7 | 22.0 | 17.8 | 5.9 | 18.0 | 11.2 | 11.6 | 20.4 | 26.2 |
| EMPLOYMENT ACTIVITY AFTER DOCTORATE % | | | | | | | | | | | | | | |
| PRIMARY ACTIVITY | | | | | | | | | | | | | | |
| R & D | 20.8 | 55.9 | 67.2 | 49.0 | 59.3 | 31.7 | 58.7 | 54.1 | 41.2 | 32.2 | 35.7 | 38.7 | 51.9 | 36.2 |
| TEACHING | 47.1 | 28.7 | 23.0 | 28.0 | 25.9 | 57.8 | 20.9 | 29.2 | 36.9 | 47.5 | 43.4 | 33.1 | 26.5 | 27.5 |
| ADMINISTRATION | 12.9 | 2.1 | .9 | 2.6 | 1.7 | 1.5 | 3.0 | 2.3 | 6.1 | 3.5 | 4.5 | 11.3 | 2.8 | 13.0 |
| PROF. SERVICES | 9.3 | 3.0 | 1.7 | 9.2 | 4.0 | 1.8 | 6.3 | 4.7 | 7.0 | 6.8 | 6.9 | 9.4 | 4.2 | 13.0 |
| OTHER | 2.1 | 2.7 | 2.2 | 5.3 | 3.1 | 1.3 | 3.4 | 2.9 | 1.8 | 2.1 | 2.0 | .4 | 4.9 | 4.3 |
| ACTIVITY UNKNOWN | 7.9 | 7.6 | 5.0 | 5.9 | 6.0 | 5.8 | 7.8 | 6.8 | 7.0 | 7.9 | 7.6 | 7.1 | 9.5 | 5.8 |
| SECONDARY ACTIVITY | | | | | | | | | | | | | | |
| R & D | 24.3 | 19.0 | 12.4 | 21.0 | 17.0 | 40.4 | 18.3 | 21.8 | 25.0 | 34.5 | 30.8 | 22.6 | 18.9 | 24.6 |
| TEACHING | 8.5 | 5.7 | 3.7 | 8.9 | 5.6 | 15.0 | 7.1 | 8.0 | 14.9 | 9.5 | 11.6 | 17.3 | 13.8 | 8.7 |
| ADMINISTRATION | 7.6 | 7.9 | 10.0 | 6.3 | 8.4 | 3.0 | 6.7 | 6.6 | 9.1 | 7.2 | 7.9 | 10.2 | 8.0 | 5.8 |
| PROF. SERVICES | 6.3 | 3.6 | 5.0 | 4.6 | 4.5 | 4.0 | 4.9 | 4.6 | 4.3 | 4.3 | 4.3 | 7.9 | 6.4 | 8.7 |
| OTHER | 1.4 | .9 | .7 | 1.3 | .9 | .7 | 1.1 | 1.0 | .6 | 1.0 | .8 | 1.1 | .5 | .0 |
| NO SECONDARY ACTIVITY | 43.5 | 55.0 | 63.0 | 49.7 | 57.3 | 31.1 | 54.1 | 51.1 | 38.1 | 34.3 | 35.8 | 32.3 | 42.4 | 44.9 |
| UNKNOWN | 8.4 | 7.9 | 5.2 | 6.3 | 6.2 | 6.0 | 7.9 | 7.0 | 7.9 | 9.3 | 8.8 | 8.6 | 10.1 | 7.2 |
| REGION OF EMPLOYMENT AFTER DOCTORATE % | | | | | | | | | | | | | | |
| NEW ENGLAND | 6.3 | 10.3 | 5.0 | 6.6 | 6.9 | 5.1 | 5.9 | 6.1 | 5.5 | 5.4 | 5.5 | 5.6 | 2.3 | 1.4 |
| MIDDLE ATLANTIC | 15.2 | 18.1 | 25.0 | 7.6 | 18.6 | 16.1 | 15.9 | 16.5 | 14.9 | 13.0 | 13.7 | 16.9 | 4.8 | 14.5 |
| EAST NO CENTRAL | 15.1 | 8.2 | 17.6 | 10.5 | 13.1 | 14.5 | 15.6 | 14.3 | 14.6 | 11.6 | 12.8 | 13.5 | 11.7 | 10.1 |
| WEST NO CENTRAL | 6.6 | 4.8 | 5.9 | 4.3 | 4.9 | 5.0 | 3.2 | 4.1 | 7.3 | 8.1 | 7.8 | 6.4 | 8.8 | 7.2 |
| SOUTH ATLANTIC | 16.1 | 13.9 | 16.9 | 8.9 | 14.0 | 14.6 | 11.3 | 12.8 | 11.6 | 17.1 | 18.8 | 15.0 | 14.3 | 29.0 |
| EAST SO CENTRAL | 5.1 | 2.1 | 2.2 | 2.3 | 2.2 | 5.3 | 4.1 | 3.7 | 3.0 | 5.4 | 4.5 | 3.8 | 4.9 | 8.7 |
| WEST SO CENTRAL | 7.8 | 6.0 | 6.1 | 17.1 | 8.9 | 8.1 | 8.6 | 8.7 | 11.9 | 8.3 | 9.7 | 10.2 | 6.9 | 4.3 |
| MOUNTAIN | 5.3 | 9.4 | 3.7 | 14.1 | 8.0 | 4.8 | 5.6 | 6.3 | 3.7 | 5.8 | 5.0 | 2.3 | 5.1 | 2.9 |
| PACIFIC & INSULAR | 11.0 | 13.9 | 8.0 | 13.2 | 11.0 | 13.0 | 14.9 | 13.2 | 7.6 | 10.7 | 9.5 | 10.9 | 7.4 | 10.1 |
| FOREIGN | 9.0 | 10.6 | 7.2 | 14.5 | 10.0 | 11.3 | 12.1 | 11.2 | 7.3 | 13.0 | 10.8 | 12.4 | 30.7 | 11.6 |
| REGION UNKNOWN | 2.6 | 2.7 | 2.4 | 2.0 | 2.4 | 2.2 | 2.6 | 2.5 | 2.4 | 1.6 | 1.9 | 3.4 | 3.0 | .0 |

1/ Refer to explanatory note on page 10 and the description of doctoral field groupings on page 27.

TABLE 2. CONTINUED

TOTAL ALL DOCTORATES

| LIFE SCIENCES | PSYCHOLOGY | ECONOMICS | ANTHROPOLOGY & SOCIOLOGY | POLIT SCI, PUBLIC ADMIN, INTERN'L REL | OTHER SOCIAL SCIENCES | SOCIAL SCIENCES INCL. PSYCHOL. | TOTAL SCIENCES | HISTORY | ENG AND AMER LANG & LIT | FOREIGN LANG & LIT | OTHER ARTS & HUMANITIES | ARTS & HUMANITIES | PROFESSIONAL FIELDS | EDUCATION | TOTAL NON-SCIENCES | OTHER OR UNSPECIFIED 2/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4971 | 2878 | 884 | 1162 | 885 | 774 | 6583 | 18790 | 1093 | 1215 | 915 | 1660 | 4883 | 1474 | 7727 | 14084 | 49 |
| 80.5 | 67.1 | 89.5 | 67.3 | 84.5 | 77.1 | 73.7 | 83.2 | 78.8 | 58.2 | 51.6 | 70.4 | 65.7 | 80.4 | 67.2 | 68.0 | 73.5 |
| 19.5 | 32.9 | 10.5 | 32.7 | 15.5 | 22.9 | 26.3 | 16.8 | 21.2 | 41.8 | 48.4 | 29.6 | 34.3 | 19.6 | 32.8 | 32.0 | 26.5 |
| 78.8 | 94.6 | 70.0 | 85.1 | 79.5 | 83.5 | 86.3 | 77.1 | 90.9 | 95.1 | 84.3 | 87.0 | 89.5 | 82.5 | 91.7 | 89.9 | |
| 18.7 | 4.4 | 28.2 | 12.3 | 18.0 | 14.1 | 12.0 | 20.8 | 7.2 | 3.5 | 13.7 | 10.4 | 8.6 | 15.3 | 5.9 | 7.8 | |
| 2.5 | 1.0 | 1.8 | 2.6 | 2.5 | 2.5 | 1.8 | 2.1 | 1.9 | 1.5 | 1.5 | 2.7 | 2.0 | 2.2 | 2.4 | 2.3 | |
| 69.3 | 64.2 | 70.6 | 65.4 | 67.5 | 67.3 | 66.1 | 67.1 | 64.5 | 62.7 | 59.7 | 62.7 | 62.5 | 75.2 | 73.3 | 69.8 | |
| 27.2 | 33.8 | 25.6 | 29.8 | 27.0 | 28.4 | 30.5 | 29.5 | 29.7 | 34.4 | 37.0 | 32.5 | 33.4 | 21.4 | 22.6 | 26.2 | |
| 3.5 | 2.0 | 3.8 | 4.8 | 5.5 | 4.3 | 3.5 | 3.4 | 4.8 | 2.9 | 3.3 | 4.8 | 4.0 | 3.4 | 4.1 | 4.0 | |
| 29.9 | 29.6 | 30.4 | 32.1 | 32.0 | 32.0 | 30.7 | 30.0 | 32.7 | 32.1 | 33.0 | 32.3 | 32.5 | 33.7 | 36.7 | 34.5 | |
| 41.8 | 69.2 | 62.1 | 50.9 | 61.9 | 24.3 | 58.8 | 62.1 | 63.3 | 79.4 | 68.4 | 50.1 | 63.8 | 37.1 | 40.9 | 48.4 | |
| 63.7 | 79.1 | 78.6 | 84.7 | 88.5 | 91.9 | 82.8 | 74.1 | 90.9 | 88.2 | 88.6 | 84.5 | 87.7 | 93.1 | 95.9 | 92.8 | |
| 7.3 | 6.9 | 7.7 | 8.7 | 9.0 | 8.9 | 7.8 | 7.3 | 9.9 | 9.6 | 9.8 | 9.6 | 9.7 | 10.6 | 12.6 | 11.2 | |
| 5.6 | 5.5 | 5.5 | 6.3 | 6.2 | 5.7 | 5.8 | 5.7 | 7.4 | 6.7 | 7.0 | 6.6 | 6.9 | 6.2 | 6.3 | 6.5 | |
| 44.9 | 15.5 | 3.5 | 7.1 | 6.3 | 5.4 | 10.0 | 26.7 | 5.1 | 3.5 | 4.7 | 4.3 | 4.3 | 1.8 | 2.5 | 3.1 | |
| 26.4 | 8.9 | 1.5 | 3.7 | 2.8 | 1.8 | 5.3 | 13.4 | 2.3 | 1.2 | 2.1 | 1.7 | 1.8 | .7 | .6 | 1.0 | |
| 13.2 | 2.4 | 1.6 | 2.5 | 1.4 | 1.8 | 2.1 | 10.4 | .5 | .3 | .8 | .7 | .6 | .6 | .7 | .6 | |
| 1.2 | 1.8 | .1 | .1 | .3 | .3 | .9 | .9 | .1 | .1 | .0 | .3 | .1 | .2 | .5 | .3 | |
| 4.1 | 2.5 | .3 | .9 | 1.8 | 1.6 | 1.7 | 2.0 | 2.2 | 1.8 | 1.9 | 1.6 | 1.8 | .2 | .8 | 1.1 | |
| 48.5 | 79.8 | 89.6 | 84.7 | 83.7 | 87.5 | 83.4 | 66.8 | 83.2 | 87.2 | 84.6 | 86.6 | 85.6 | 92.7 | 91.1 | 89.3 | |
| 28.2 | 40.4 | 59.3 | 71.3 | 61.7 | 64.1 | 54.0 | 36.5 | 63.9 | 76.1 | 71.7 | 73.4 | 71.6 | 69.3 | 72.1 | 71.7 | |
| 6.9 | 6.2 | 7.5 | 1.9 | 4.0 | 6.6 | 5.3 | 13.3 | 2.6 | 3.5 | 1.9 | 2.5 | 2.6 | 5.2 | 2.1 | 2.6 | |
| 8.7 | 16.6 | 15.6 | 4.6 | 11.1 | 7.1 | 12.5 | 10.2 | 6.7 | 1.3 | 2.0 | 1.8 | 2.8 | 6.2 | 9.3 | 6.7 | |
| 2.0 | 12.0 | 2.8 | 3.2 | 2.6 | 5.9 | 7.2 | 3.5 | 3.8 | .4 | 1.7 | 4.7 | 2.9 | 9.4 | 4.3 | 4.3 | |
| 2.8 | 4.7 | 4.4 | 3.7 | 4.4 | 3.7 | 4.3 | 3.2 | 6.3 | 5.8 | 7.3 | 4.2 | 5.7 | 2.6 | 3.3 | 4.0 | |
| 6.6 | 4.7 | 6.9 | 8.2 | 9.9 | 7.1 | 6.6 | 6.5 | 11.7 | 9.4 | 10.7 | 9.2 | 10.1 | 5.5 | 6.4 | 7.6 | |
| 36.0 | 10.8 | 2.4 | 4.6 | 3.6 | 3.1 | 6.7 | 20.1 | 1.9 | 1.6 | 1.2 | 2.1 | 1.8 | 1.1 | 1.4 | 1.5 | |
| 8.9 | 4.8 | 1.1 | 2.6 | 2.7 | 2.3 | 3.3 | 6.6 | 3.2 | 1.8 | 3.5 | 2.2 | 2.6 | .7 | 1.1 | 1.6 | |
| 35.1 | 56.3 | 73.1 | 65.5 | 59.1 | 65.4 | 61.6 | 48.8 | 52.1 | 51.7 | 49.2 | 57.0 | 53.1 | 78.3 | 67.7 | 63.7 | |
| 13.4 | 23.5 | 16.5 | 19.2 | 24.6 | 22.1 | 21.8 | 18.0 | 31.1 | 35.5 | 35.4 | 29.6 | 32.5 | 14.5 | 23.4 | 25.6 | |
| 41.4 | 15.7 | 31.4 | 17.1 | 12.4 | 16.8 | 18.2 | 35.8 | 7.9 | 1.4 | 2.2 | 2.9 | 3.5 | 7.6 | 5.8 | 5.4 | |
| 35.7 | 31.7 | 54.3 | 69.0 | 62.5 | 64.6 | 50.4 | 39.8 | 68.0 | 85.4 | 84.0 | 79.1 | 79.0 | 66.0 | 39.7 | 54.4 | |
| 5.3 | 4.6 | 2.5 | 3.8 | 9.4 | 7.1 | 5.0 | 4.1 | 8.4 | 3.7 | 2.9 | 3.9 | 4.7 | 8.1 | 33.6 | 22.0 | |
| 6.6 | 41.4 | 2.0 | 1.8 | 3.6 | 4.5 | 18.2 | 11.1 | 4.6 | 1.1 | 1.3 | 4.0 | 3.0 | 8.5 | 9.4 | 7.4 | |
| 2.8 | 1.7 | 2.0 | 1.3 | 2.9 | 1.4 | 1.8 | 2.4 | 3.3 | 1.8 | .4 | 3.6 | 2.5 | 1.9 | 1.4 | 1.8 | |
| 8.1 | 4.9 | 7.7 | 7.0 | 9.2 | 5.5 | 6.4 | 6.9 | 7.7 | 6.7 | 9.1 | 6.6 | 7.3 | 7.9 | 10.1 | 9.0 | |
| 25.4 | 29.0 | 36.7 | 41.7 | 37.5 | 36.2 | 34.6 | 28.2 | 26.2 | 25.2 | 35.8 | 28.6 | 28.5 | 34.0 | 13.2 | 20.3 | |
| 13.1 | 12.8 | 9.1 | 10.2 | 5.4 | 7.7 | 10.1 | 9.9 | 5.1 | 2.1 | 2.2 | 5.1 | 3.9 | 8.1 | 8.4 | 7.1 | |
| 8.2 | 9.2 | 5.0 | 4.3 | 5.2 | 6.3 | 6.7 | 7.0 | 8.4 | 7.0 | 5.3 | 5.4 | 6.4 | 8.3 | 9.1 | 8.2 | |
| 5.7 | 8.3 | 3.9 | 2.1 | 2.1 | 4.2 | 5.1 | 5.0 | 4.0 | 1.9 | 2.9 | 4.9 | 3.6 | 7.0 | 9.5 | 7.5 | |
| .7 | 1.3 | 1.2 | .4 | .6 | 1.2 | 1.0 | .9 | 1.4 | .8 | .7 | 3.5 | 1.9 | 2.3 | 1.8 | 1.9 | |
| 37.8 | 33.7 | 35.9 | 33.8 | 39.4 | 37.9 | 35.3 | 41.6 | 46.9 | 55.9 | 43.8 | 45.7 | 48.1 | 31.7 | 47.3 | 45.5 | |
| 9.1 | 5.7 | 8.2 | 7.5 | 9.9 | 6.5 | 7.1 | 7.4 | 7.9 | 7.2 | 9.3 | 6.9 | 7.6 | 8.6 | 10.6 | 9.5 | |
| 4.3 | 6.4 | 6.7 | 8.7 | 5.5 | 5.3 | 6.6 | 6.0 | 7.7 | 10.5 | 13.3 | 7.7 | 9.4 | 4.7 | 5.6 | 6.6 | |
| 11.3 | 20.5 | 16.9 | 14.7 | 15.7 | 14.2 | 17.4 | 16.1 | 17.0 | 12.4 | 17.3 | 17.8 | 16.2 | 11.6 | 13.8 | 14.2 | |
| 12.4 | 15.4 | 11.1 | 15.5 | 15.1 | 17.2 | 14.9 | 14.3 | 12.5 | 15.3 | 15.1 | 14.3 | 14.3 | 17.3 | 16.3 | 15.8 | |
| 7.9 | 6.1 | 5.3 | 5.7 | 4.4 | 5.1 | 5.5 | 5.5 | 6.2 | 8.6 | 6.0 | 8.2 | 7.5 | 7.2 | 8.1 | 7.8 | |
| 17.2 | 14.8 | 18.4 | 13.7 | 21.2 | 14.4 | 16.0 | 15.0 | 20.6 | 16.4 | 12.7 | 14.2 | 15.9 | 14.4 | 18.4 | 17.1 | |
| 4.7 | 4.5 | 2.6 | 4.9 | 4.6 | 3.8 | 4.2 | 4.1 | 5.8 | 7.8 | 2.7 | 4.4 | 5.2 | 6.6 | 6.3 | 6.0 | |
| 8.7 | 6.6 | 4.5 | 7.2 | 5.2 | 8.1 | 6.4 | 7.6 | 6.3 | 9.9 | 5.1 | 5.9 | 6.8 | 9.6 | 8.1 | 7.9 | |
| 4.5 | 4.8 | 4.0 | 4.1 | 4.2 | 6.9 | 4.7 | 5.3 | 6.2 | 3.2 | 5.6 | 3.9 | 4.5 | 5.0 | 5.9 | 5.4 | |
| 9.1 | 12.7 | 9.3 | 11.8 | 9.4 | 13.6 | 11.7 | 11.7 | 8.3 | 8.1 | 12.9 | 12.4 | 10.5 | 10.6 | 10.1 | 10.3 | |
| 17.5 | 4.6 | 19.2 | 11.6 | 13.0 | 8.3 | 9.8 | 11.8 | 7.7 | 5.6 | 6.2 | 8.4 | 7.2 | 10.5 | 4.7 | 6.2 | |
| 2.4 | 3.6 | 2.0 | 2.2 | 1.7 | 3.0 | 2.8 | 2.6 | 1.8 | 2.2 | 3.1 | 2.9 | 2.5 | 2.5 | 2.6 | 2.6 | |

2/ Statistics are not presented for this group because too few records contained the specified data.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 2
STATISTICAL PROFILE OF DOCTORATE RECIPIENTS BY FIELD OF DOCTORATE, FY 1976 1/

DOCTORATES: MEN

| | FY 1976 TOTAL | PHYSICS AND ASTRONOMY | CHEMISTRY | EARTH SCIENCES | PHYSICAL SCIENCES | MATHEMATICS | ENGINEERING | EMP FIELDS | BASIC MEDICAL SCIENCES | OTHER BIOSCIENCES | BIOSCIENCES | MEDICAL SCIENCES | AGRICULTURAL SCIENCES | ENVIRONMENTAL SCIENCES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL MALE | 25247 | 1181 | 1434 | 531 | 3146 | 890 | 2738 | 6774 | 1386 | 1107 | 2493 | 502 | 897 | 112 |
| MALE AS A PERCENT OF TOTAL DOCTORATES | 76.7 | 95.6 | 88.4 | 90.9 | 91.4 | 88.7 | 98.1 | 93.6 | 76.3 | 77.5 | 76.8 | 77.8 | 94.3 | 86.2 |
| U.S. CITIZENSHIP % | 80.7 | 74.2 | 78.5 | 77.6 | 76.7 | 74.5 | 54.7 | 67.5 | 84.3 | 84.6 | 84.5 | 76.1 | 62.2 | 75.9 |
| FOREIGN CITIZENSHIP % | 17.1 | 23.8 | 20.1 | 21.3 | 21.7 | 23.7 | 42.6 | 30.4 | 12.7 | 13.1 | 12.9 | 20.1 | 36.6 | 21.4 |
| UNKNOWN % | 2.2 | 2.0 | 1.5 | 1.1 | 1.6 | 1.8 | 2.7 | 2.1 | 3.0 | 2.3 | 2.6 | 3.8 | 1.2 | 2.7 |
| MARRIED % | 72.2 | 63.1 | 67.5 | 75.1 | 67.1 | 63.3 | 68.7 | 67.3 | 69.3 | 70.8 | 70.0 | 75.9 | 79.6 | 66.1 |
| NOT MARRIED % | 24.0 | 33.3 | 29.6 | 22.0 | 29.7 | 33.7 | 27.9 | 29.5 | 26.8 | 25.3 | 26.1 | 19.5 | 18.2 | 29.5 |
| UNKNOWN % | 3.8 | 3.6 | 2.9 | 2.8 | 3.2 | 3.0 | 3.4 | 3.3 | 3.9 | 3.9 | 3.9 | 4.6 | 2.2 | 4.5 |
| MEDIAN AGE AT DOCTORATE | 31.3 | 29.2 | 28.6 | 30.3 | 29.1 | 29.1 | 30.2 | 29.5 | 29.0 | 30.2 | 29.4 | 30.5 | 31.5 | 30.0 |
| PERCENT WITH BACC IN SAME FIELD AS DOCTORATE | 57.6 | 80.2 | 87.2 | 52.4 | 78.7 | 77.6 | 81.0 | 79.5 | 17.3 | 67.5 | 39.6 | 22.7 | 67.3 | 2.7 |
| PERCENT WITH MASTERS | 81.2 | 66.7 | 39.3 | 80.2 | 56.5 | 79.7 | 90.7 | 73.4 | 46.8 | 69.5 | 56.9 | 53.0 | 90.3 | 92.9 |
| MEDIAN TIME LAPSE FROM BACC TO DOCT | | | | | | | | | | | | | | |
| TOTAL TIME YRS | 8.4 | 7.0 | 6.2 | 7.8 | 6.7 | 6.9 | 7.5 | 7.0 | 6.5 | 7.5 | 6.9 | 7.6 | 8.3 | 7.3 |
| REGISTERED TIME YRS | 5.9 | 6.1 | 5.2 | 5.8 | 5.6 | 5.5 | 5.6 | 5.6 | 5.5 | 5.9 | 5.7 | 5.6 | 5.4 | 5.5 |
| POSTDOCTORAL STUDY PLANS % | 17.6 | 48.3 | 52.6 | 27.5 | 46.8 | 10.9 | 15.5 | 29.4 | 70.3 | 34.9 | 54.6 | 41.4 | 14.2 | 12.5 |
| FELLOWSHIP | 8.3 | 17.4 | 24.8 | 11.1 | 19.7 | 4.2 | 4.7 | 11.6 | 43.2 | 18.2 | 32.1 | 21.3 | 6.0 | 3.6 |
| RESEARCH ASSOC | 7.1 | 29.3 | 25.9 | 16.2 | 25.5 | 4.9 | 9.4 | 16.3 | 18.3 | 13.5 | 16.2 | 10.0 | 7.4 | 8.0 |
| TRAINEESHIP | .6 | .4 | .6 | .0 | .4 | .2 | .8 | .6 | 1.7 | .8 | 1.3 | 2.2 | .4 | .0 |
| OTHER | 1.6 | 1.1 | 1.4 | .2 | 1.1 | 1.6 | .6 | .9 | 7.1 | 2.3 | 5.0 | 8.0 | .3 | .9 |
| PLANNED EMPLOYMENT AFTER DOCTORATE % | 75.8 | 42.1 | 42.7 | 67.2 | 46.6 | 83.1 | 78.7 | 64.4 | 24.2 | 57.6 | 39.0 | 52.4 | 79.9 | 81.3 |
| EDUC INSTITUTION | 49.3 | 16.6 | 11.2 | 27.5 | 16.0 | 63.5 | 24.7 | 25.7 | 13.1 | 36.3 | 23.4 | 27.9 | 43.5 | 33.0 |
| INDUSTRY/BUSINESS | 10.2 | 12.8 | 25.5 | 19.0 | 19.6 | 9.7 | 37.8 | 25.7 | 4.3 | 5.8 | 5.0 | 10.8 | 12.7 | 17.0 |
| GOVERNMENT | 9.5 | 8.5 | 4.1 | 17.1 | 7.9 | 7.3 | 11.8 | 9.4 | 4.0 | 9.4 | 6.4 | 9.0 | 18.4 | 25.9 |
| NONPROFIT | 3.8 | .7 | .6 | 1.1 | .7 | .7 | 1.8 | 1.1 | 1.7 | 2.3 | 1.9 | 2.6 | 1.9 | 2.7 |
| OTHER & UNKNOWN | 2.9 | 3.6 | 1.3 | 2.4 | 2.3 | 2.0 | 2.7 | 2.4 | 1.2 | 3.9 | 2.4 | 2.2 | 3.5 | 2.7 |
| POSTDOCT STATUS UNKN % | 6.7 | 9.7 | 4.7 | 5.3 | 6.6 | 6.0 | 5.8 | 6.2 | 5.5 | 7.5 | 6.4 | 6.2 | 5.9 | 6.3 |
| DEFINITE POSTDOCTORAL STUDY | 13.0 | 34.9 | 42.1 | 20.3 | 35.7 | 6.6 | 10.3 | 16.0 | 59.5 | 26.8 | 45.0 | 33.9 | 9.0 | 8.9 |
| SEEKING POSTDOCTORAL STUDY | 4.6 | 13.4 | 10.5 | 7.2 | 11.0 | 4.3 | 5.2 | 7.8 | 10.8 | 8.0 | 9.6 | 7.6 | 5.1 | 3.6 |
| DEFINITE EMPLOYMENT | 56.1 | 27.1 | 33.4 | 53.3 | 34.4 | 60.3 | 57.0 | 46.9 | 18.8 | 39.5 | 28.0 | 40.0 | 60.2 | 54.5 |
| SEEKING EMPLOYMENT | 19.7 | 15.0 | 9.3 | 13.9 | 12.2 | 22.8 | 21.7 | 17.4 | 5.3 | 18.2 | 11.0 | 12.4 | 19.7 | 26.8 |
| EMPLOYMENT ACTIVITY AFTER DOCTORATE % | | | | | | | | | | | | | | |
| PRIMARY ACTIVITY | | | | | | | | | | | | | | |
| R & D | 23.2 | 55.9 | 69.1 | 47.7 | 59.6 | 31.8 | 58.7 | 54.5 | 44.1 | 34.3 | 38.0 | 44.3 | 52.8 | 36.1 |
| TEACHING | 44.4 | 28.4 | 21.1 | 29.0 | 25.3 | 57.7 | 20.8 | 28.6 | 33.3 | 43.2 | 39.5 | 29.4 | 25.4 | 26.2 |
| ADMINISTRATION | 13.2 | 1.9 | .6 | 2.1 | 1.4 | 1.5 | 3.0 | 2.2 | 6.9 | 3.9 | 5.0 | 7.5 | 2.8 | 14.8 |
| PROF. SERVICES | 8.9 | 3.1 | 1.7 | 9.2 | 4.1 | 1.9 | 6.3 | 4.8 | 7.7 | 7.3 | 7.4 | 10.9 | 4.3 | 14.8 |
| OTHER | 2.2 | 2.8 | 1.9 | 5.7 | 3.1 | 1.5 | 3.5 | 3.0 | 2.3 | 2.5 | 2.4 | .5 | 5.0 | 3.3 |
| ACTIVITY UNKNOWN | 8.1 | 7.8 | 5.6 | 6.4 | 6.5 | 5.6 | 7.8 | 7.0 | 5.7 | 8.7 | 7.6 | 7.5 | 9.8 | 4.9 |
| SECONDARY ACTIVITY | | | | | | | | | | | | | | |
| R & D | 24.0 | 18.8 | 11.5 | 23.7 | 16.8 | 41.0 | 18.3 | 21.6 | 24.5 | 31.6 | 28.9 | 21.4 | 18.3 | 27.9 |
| TEACHING | 8.4 | 5.9 | 3.8 | 8.5 | 5.6 | 14.3 | 7.0 | 7.8 | 14.9 | 9.4 | 11.5 | 14.9 | 13.7 | 8.2 |
| ADMINISTRATION | 7.5 | 8.1 | 10.6 | 6.7 | 8.9 | 2.8 | 6.7 | 6.8 | 8.8 | 7.8 | 8.2 | 10.4 | 8.1 | 4.9 |
| PROF. SERVICES | 6.0 | 3.8 | 5.6 | 4.6 | 4.8 | 4.3 | 4.9 | 4.8 | 5.0 | 4.3 | 4.6 | 9.5 | 6.7 | 9.8 |
| OTHER | 1.4 | .9 | .6 | .7 | .7 | .6 | 1.1 | .9 | .8 | 1.1 | 1.0 | 1.0 | .6 | .0 |
| NO SECONDARY ACTIVITY | 44.0 | 54.7 | 62.0 | 49.1 | 56.5 | 31.3 | 54.1 | 51.1 | 39.1 | 35.5 | 36.8 | 33.8 | 42.2 | 44.3 |
| UNKNOWN | 8.7 | 7.8 | 5.8 | 6.7 | 6.7 | 5.8 | 7.9 | 7.1 | 6.9 | 10.3 | 9.0 | 9.0 | 10.4 | 4.9 |
| REGION OF EMPLOYMENT AFTER DOCTORATE % | | | | | | | | | | | | | | |
| NEW ENGLAND | 6.1 | 10.3 | 4.8 | 6.4 | 6.8 | 4.7 | 5.8 | 6.0 | 5.7 | 5.0 | 5.3 | 5.5 | 1.9 | 1.6 |
| MIDDLE ATLANTIC | 14.4 | 17.8 | 24.4 | 6.7 | 17.8 | 15.1 | 16.1 | 16.5 | 13.4 | 13.0 | 13.2 | 14.9 | 5.0 | 14.8 |
| EAST NO CENTRAL | 15.1 | 7.8 | 18.8 | 10.6 | 13.4 | 14.9 | 15.7 | 14.8 | 15.7 | 10.8 | 12.6 | 14.9 | 11.5 | 8.2 |
| WEST NO CENTRAL | 6.6 | 5.0 | 5.6 | 3.5 | 4.9 | 5.0 | 3.3 | 4.1 | 7.7 | 8.2 | 8.0 | 7.0 | 8.7 | 6.6 |
| SOUTH ATLANTIC | 15.9 | 13.8 | 16.7 | 9.2 | 13.9 | 15.1 | 11.3 | 12.8 | 21.8 | 16.7 | 18.6 | 14.4 | 14.8 | 29.5 |
| EAST SO CENTRAL | 4.9 | 2.2 | 2.5 | 2.5 | 2.4 | 5.4 | 4.0 | 3.7 | 3.4 | 5.9 | 5.0 | 4.0 | 4.4 | 9.8 |
| WEST SO CENTRAL | 7.7 | 6.3 | 6.5 | 17.3 | 9.2 | 7.8 | 8.7 | 8.7 | 11.5 | 8.2 | 9.5 | 9.0 | 6.9 | 4.9 |
| MOUNTAIN | 5.7 | 9.7 | 4.2 | 13.8 | 8.3 | 5.0 | 5.6 | 6.4 | 3.8 | 5.9 | 5.2 | 2.5 | 5.4 | 1.6 |
| PACIFIC & INSULAR | 11.0 | 14.1 | 7.3 | 12.7 | 10.7 | 12.5 | 14.7 | 13.0 | 8.4 | 11.4 | 10.3 | 9.0 | 7.4 | 11.5 |
| FOREIGN | 10.0 | 10.6 | 6.5 | 15.2 | 10.0 | 12.5 | 12.1 | 11.4 | 6.5 | 13.3 | 10.7 | 14.9 | 30.9 | 11.5 |
| REGION UNKNOWN | 2.6 | 2.5 | 2.7 | 2.1 | 2.5 | 2.0 | 2.6 | 2.5 | 1.9 | 1.4 | 1.6 | 4.0 | 3.1 | .0 |

1/ Refer to explanatory note on page 10 and the description of doctoral field groupings on page 27.

TABLE 2. CONTINUED

DOCTORATES: MEN

| LIFE SCIENCES | PSYCHOLOGY | ECONOMICS | ANTHROPOLOGY & SOCIOLOGY | POLIT SCI, PUBLIC ADMIN, INTERN'L REL | OTHER SOCIAL SCIENCES | SOCIAL SCIENCES INCL. PSYCHOL. | TOTAL SCIENCES | HISTORY | ENG AND AMER LANG & LIT | FOREIGN LANG & LIT | OTHER ARTS & HUMANITIES | ARTS & HUMANITIES | PROFESSIONAL FIELDS | EDUCATION | TOTAL NON-SCIENCES | OTHER OR UNSPECIFIED 2/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4004 | 1932 | 791 | 782 | 748 | 597 | 4850 | 15628 | 861 | 707 | 472 | 1168 | 3208 | 1185 | 5190 | 9583 | 36 |
| 80.5 | 67.1 | 89.5 | 67.3 | 84.5 | 77.1 | 73.7 | 83.2 | 78.8 | 58.2 | 51.6 | 70.4 | 65.7 | 80.4 | 67.2 | 68.0 | 73.5 |
| 78.2 | 94.6 | 68.8 | 83.0 | 77.5 | 81.9 | 84.3 | 75.5 | 90.0 | 95.6 | 85.8 | 86.6 | 89.4 | 80.4 | 91.2 | 89.3 | |
| 19.3 | 4.3 | 29.5 | 13.7 | 19.7 | 16.2 | 13.8 | 22.4 | 8.0 | 3.3 | 12.1 | 10.3 | 8.4 | 17.3 | 6.5 | 8.4 | |
| 2.5 | 1.1 | 1.8 | 3.3 | 2.8 | 1.8 | 1.9 | 2.1 | 2.0 | 1.1 | 2.1 | 3.2 | 2.2 | 2.3 | 2.4 | 2.3 | |
| 72.8 | 68.8 | 72.4 | 69.2 | 69.9 | 73.5 | 70.2 | 69.6 | 68.9 | 66.3 | 60.2 | 66.4 | 66.1 | 81.0 | 82.0 | 76.6 | |
| 23.6 | 29.1 | 23.9 | 24.7 | 24.3 | 22.4 | 26.0 | 26.9 | 26.0 | 31.3 | 35.0 | 28.3 | 29.3 | 15.2 | 13.9 | 19.2 | |
| 3.6 | 2.1 | 3.7 | 6.1 | 5.7 | 4.0 | 3.8 | 3.5 | 5.1 | 2.4 | 4.9 | 5.3 | 4.6 | 3.8 | 4.1 | 4.2 | |
| 30.0 | 29.5 | 30.4 | 32.1 | 32.1 | 31.9 | 30.6 | 30.0 | 32.6 | 31.6 | 33.3 | 32.4 | 32.4 | 33.4 | 36.4 | 34.3 | |
| 42.7 | 70.9 | 62.1 | 50.5 | 61.6 | 26.0 | 59.2 | 63.8 | 65.4 | 80.9 | 64.0 | 53.6 | 64.3 | 37.9 | 39.5 | 47.6 | |
| 64.9 | 79.5 | 78.1 | 84.5 | 89.6 | 92.0 | 83.2 | 74.2 | 90.7 | 87.4 | 87.9 | 83.7 | 87.0 | 92.8 | 95.8 | 92.5 | |
| 7.3 | 6.8 | 7.7 | 8.7 | 9.0 | 8.6 | 7.7 | 7.3 | 10.0 | 9.0 | 9.7 | 9.7 | 9.6 | 10.2 | 12.5 | 11.0 | |
| 5.6 | 5.5 | 5.4 | 6.3 | 6.1 | 5.7 | 5.7 | 5.6 | 7.3 | 6.4 | 6.8 | 6.5 | 6.7 | 6.2 | 6.5 | 6.5 | |
| 42.7 | 15.2 | 3.9 | 6.0 | 6.0 | 5.7 | 9.3 | 26.6 | 5.2 | 3.7 | 4.4 | 3.9 | 4.3 | 1.8 | 2.4 | 3.0 | |
| 24.1 | 8.8 | 1.6 | 3.6 | 2.5 | 2.0 | 5.0 | 12.8 | 2.6 | 1.7 | 2.3 | 1.5 | 1.9 | .8 | .7 | 1.1 | |
| 13.2 | 2.4 | 1.8 | 1.8 | 1.1 | 2.0 | 2.0 | 11.1 | .6 | .4 | .8 | .5 | .6 | .6 | .6 | .6 | |
| 1.2 | 1.8 | .1 | .1 | .4 | .2 | .8 | .8 | .1 | .1 | .0 | .2 | .1 | .3 | .4 | .3 | |
| 4.2 | 2.2 | .4 | .5 | 2.0 | 1.5 | 1.5 | 2.0 | 2.0 | 1.4 | 1.3 | 1.7 | 1.7 | .1 | .7 | 1.0 | |
| 51.0 | 80.3 | 89.1 | 84.5 | 84.2 | 87.9 | 84.0 | 67.0 | 82.6 | 88.1 | 86.9 | 86.5 | 85.8 | 93.4 | 91.7 | 90.0 | |
| 28.7 | 40.0 | 59.0 | 71.7 | 61.8 | 64.7 | 54.6 | 35.5 | 62.6 | 76.7 | 75.8 | 74.7 | 72.1 | 69.8 | 72.1 | 71.8 | |
| 7.8 | 6.1 | 7.3 | 1.8 | 4.4 | 6.9 | 5.4 | 14.8 | 2.7 | 4.2 | 1.9 | 2.1 | 2.7 | 5.7 | 2.2 | 2.8 | |
| 9.9 | 18.2 | 15.4 | 5.5 | 11.8 | 7.2 | 13.3 | 10.8 | 7.4 | 1.7 | 2.1 | 1.3 | 3.1 | 6.5 | 10.4 | 7.5 | |
| 2.0 | 12.1 | 2.9 | 2.8 | 2.4 | 6.7 | 6.9 | 3.2 | 3.9 | .6 | 3.0 | 5.7 | 3.7 | 9.6 | 4.5 | 4.9 | |
| 2.6 | 4.0 | 4.4 | 2.7 | 3.9 | 2.5 | 3.7 | 2.9 | 5.9 | 5.0 | 4.0 | 2.7 | 4.3 | 1.9 | 2.6 | 3.0 | |
| 6.2 | 4.5 | 7.0 | 9.5 | 9.8 | 6.4 | 6.7 | 6.4 | 12.2 | 8.2 | 8.7 | 9.7 | 9.9 | 4.8 | 5.8 | 7.1 | |
| 34.5 | 10.6 | 2.7 | 3.7 | 3.6 | 3.2 | 6.2 | 20.1 | 2.1 | 1.8 | 1.1 | 1.7 | 1.7 | 1.2 | 1.3 | 1.5 | |
| 8.2 | 4.6 | 1.3 | 2.3 | 2.4 | 2.5 | 3.1 | 6.4 | 3.1 | 1.8 | 3.4 | 2.1 | 2.5 | .6 | 1.1 | 1.5 | |
| 37.5 | 58.3 | 73.3 | 67.6 | 60.4 | 67.8 | 63.8 | 49.7 | 52.0 | 54.7 | 53.4 | 60.1 | 55.8 | 80.8 | 69.7 | 66.4 | |
| 13.6 | 22.0 | 15.8 | 16.9 | 23.8 | 20.1 | 20.2 | 17.3 | 30.5 | 33.4 | 33.5 | 26.4 | 30.1 | 12.6 | 22.0 | 23.5 | |
| 44.1 | 15.9 | 30.3 | 16.4 | 11.7 | 16.0 | 18.1 | 38.0 | 7.6 | 2.1 | 2.4 | 2.3 | 3.6 | 7.8 | 5.3 | 5.2 | |
| 32.5 | 31.0 | 54.7 | 68.1 | 61.3 | 66.7 | 50.9 | 38.2 | 67.9 | 85.0 | 84.5 | 78.9 | 78.3 | 66.4 | 35.1 | 51.9 | |
| 4.9 | 4.8 | 2.6 | 4.2 | 10.2 | 6.9 | 5.3 | 4.0 | 9.4 | 3.1 | 2.4 | 4.0 | 4.9 | 7.8 | 38.6 | 24.3 | |
| 7.1 | 42.2 | 2.2 | 2.1 | 3.8 | 4.7 | 17.3 | 10.2 | 3.8 | 1.0 | 1.2 | 4.3 | 3.0 | 8.1 | 9.0 | 7.2 | |
| 3.1 | 1.2 | 1.9 | 1.5 | 3.1 | 1.0 | 1.6 | 2.5 | 4.0 | 1.8 | .4 | 3.7 | 2.9 | 2.0 | 1.2 | 1.8 | |
| 8.3 | 4.9 | 8.3 | 7.8 | 10.0 | 4.7 | 6.7 | 7.1 | 7.4 | 7.0 | 9.1 | 6.8 | 7.3 | 7.8 | 10.7 | 9.3 | |
| 24.1 | 29.7 | 36.9 | 41.8 | 37.4 | 38.5 | 35.4 | 27.6 | 23.9 | 24.3 | 34.1 | 28.6 | 27.3 | 35.5 | 11.7 | 19.7 | |
| 12.6 | 12.3 | 8.8 | 10.2 | 5.3 | 7.9 | 9.7 | 9.5 | 4.9 | 2.3 | 2.4 | 5.0 | 4.0 | 8.0 | 8.6 | 7.2 | |
| 8.3 | 10.1 | 5.2 | 4.3 | 4.9 | 6.9 | 7.0 | 7.2 | 9.2 | 7.2 | 5.6 | 5.4 | 6.8 | 8.0 | 8.5 | 7.9 | |
| 6.2 | 7.2 | 4.0 | 1.9 | 2.2 | 4.0 | 4.5 | 5.0 | 4.7 | 1.0 | 3.2 | 5.6 | 4.0 | 6.7 | 9.0 | 7.2 | |
| .8 | 1.2 | 1.4 | .4 | .4 | 1.5 | 1.0 | .9 | 1.1 | 1.0 | .4 | 4.0 | 2.1 | 1.9 | 1.8 | 1.9 | |
| 38.7 | 33.7 | 35.0 | 33.1 | 38.9 | 35.3 | 34.8 | 42.2 | 48.9 | 56.3 | 45.2 | 44.2 | 48.1 | 31.3 | 49.2 | 46.2 | |
| 9.3 | 5.8 | 8.8 | 8.3 | 10.8 | 5.9 | 7.5 | 7.7 | 7.4 | 7.8 | 9.1 | 7.3 | 7.7 | 8.6 | 11.3 | 9.9 | |
| 3.9 | 6.6 | 6.9 | 8.7 | 4.6 | 5.7 | 6.6 | 5.8 | 7.1 | 9.0 | 10.3 | 7.1 | 8.0 | 4.6 | 6.0 | 6.3 | |
| 10.5 | 18.2 | 16.9 | 13.8 | 14.6 | 12.6 | 15.9 | 15.1 | 16.5 | 12.9 | 15.5 | 16.4 | 15.5 | 10.1 | 13.2 | 13.4 | |
| 12.3 | 15.2 | 11.4 | 15.9 | 15.7 | 16.8 | 14.9 | 14.3 | 11.8 | 14.7 | 15.1 | 14.5 | 14.0 | 16.9 | 16.9 | 16.1 | |
| 8.1 | 6.5 | 4.8 | 6.2 | 4.9 | 4.9 | 5.7 | 5.5 | 6.5 | 8.8 | 6.3 | 8.1 | 7.6 | 7.1 | 8.5 | 8.0 | |
| 17.1 | 14.9 | 17.2 | 13.2 | 21.0 | 14.8 | 15.9 | 14.9 | 20.8 | 17.6 | 15.5 | 15.0 | 17.0 | 15.7 | 17.7 | 17.2 | |
| 4.9 | 5.1 | 2.6 | 5.3 | 4.9 | 4.2 | 4.5 | 4.3 | 5.8 | 7.0 | 1.6 | 4.8 | 5.1 | 6.3 | 5.8 | 5.7 | |
| 8.3 | 7.0 | 4.8 | 7.2 | 4.6 | 8.6 | 6.5 | 7.7 | 5.4 | 10.6 | 5.2 | 6.3 | 6.8 | 9.8 | 7.5 | 7.6 | |
| 4.7 | 5.1 | 4.5 | 3.6 | 3.5 | 7.9 | 4.9 | 5.5 | 6.7 | 3.1 | 7.1 | 4.4 | 5.1 | 4.9 | 6.5 | 5.9 | |
| 9.1 | 12.6 | 8.6 | 11.5 | 10.0 | 12.8 | 11.3 | 11.6 | 8.3 | 8.0 | 10.7 | 12.5 | 10.2 | 10.1 | 10.3 | 10.3 | |
| 18.6 | 4.9 | 20.2 | 12.5 | 14.2 | 9.4 | 11.0 | 12.6 | 9.2 | 5.7 | 8.7 | 8.3 | 8.0 | 11.7 | 5.1 | 6.9 | |
| 2.4 | 3.9 | 2.1 | 2.1 | 2.0 | 2.2 | 2.7 | 2.6 | 2.0 | 2.6 | 4.0 | 2.6 | 2.6 | 2.8 | 2.5 | 2.6 | |

2/ Statistics are not presented because too few records contained the specified data.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 2
STATISTICAL PROFILE OF DOCTORATE RECIPIENTS BY FIELD OF DOCTORATE, FY 1976 1/

DOCTORATES: WOMEN

| | FY 1976 TOTAL | PHYSICS AND ASTRONOMY | CHEMISTRY | EARTH SCIENCES | PHYSICAL SCIENCES | MATHEMATICS | ENGINEERING | ENG FIELDS | BASIC MEDICAL SCIENCES | OTHER BIOSCIENCES | BIOSCIENCES | MEDICAL SCIENCES | AGRICULTURAL SCIENCES | ENVIRONMENTAL SCIENCES 2/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL FEMALE | 7676 | 54 | 189 | 53 | 296 | 113 | 53 | 462 | 430 | 322 | 752 | 143 | 54 | 18 |
| FEMALE AS A PERCENT OF TOTAL DOCTORATES | 23.3 | 4.4 | 11.6 | 9.1 | 8.6 | 11.3 | 1.9 | 6.4 | 23.7 | 22.5 | 23.2 | 22.2 | 5.7 | 13.8 |
| U.S. CITIZENSHIP % | 88.9 | 57.4 | 70.9 | 77.4 | 69.6 | 75.2 | 64.2 | 70.3 | 80.7 | 82.9 | 81.6 | 85.3 | 64.8 | |
| FOREIGN CITIZENSHIP % | 9.1 | 40.7 | 27.5 | 17.0 | 28.0 | 23.9 | 32.1 | 27.5 | 15.8 | 14.9 | 15.4 | 13.3 | 35.2 | |
| UNKNOWN % | 2.0 | 1.9 | 1.6 | 5.7 | 2.4 | .9 | 3.8 | 2.2 | 3.5 | 2.2 | 2.9 | 1.4 | .0 | |
| MARRIED % | 55.0 | 51.9 | 55.6 | 49.1 | 53.7 | 56.6 | 60.4 | 55.2 | 53.5 | 55.9 | 54.5 | 50.3 | 75.9 | |
| NOT MARRIED % | 41.7 | 46.3 | 41.9 | 47.2 | 43.6 | 41.6 | 35.8 | 42.2 | 43.3 | 41.0 | 42.3 | 48.3 | 22.2 | |
| UNKNOWN % | 3.3 | 1.9 | 2.6 | 3.8 | 2.7 | 1.8 | 3.8 | 2.6 | 3.3 | 3.1 | 3.2 | 1.4 | 1.9 | |
| MEDIAN AGE AT DOCTORATE | 32.6 | 28.0 | 28.3 | 30.1 | 28.4 | 29.1 | 29.5 | 28.7 | 28.8 | 29.4 | 29.1 | 32.5 | 30.2 | |
| PERCENT WITH BACC IN SAME FIELD AS DOCTORATE | 51.9 | 79.6 | 85.7 | 41.5 | 76.7 | 80.5 | 52.8 | 74.9 | 18.6 | 66.5 | 39.1 | 42.7 | 24.1 | |
| PERCENT WITH MASTERS | 84.9 | 83.3 | 49.2 | 73.6 | 59.8 | 86.7 | 96.2 | 70.6 | 45.3 | 67.1 | 54.7 | 69.2 | 85.2 | |
| MEDIAN TIME LAPSE FROM BACC TO DOCT | | | | | | | | | | | | | | |
| TOTAL TIME YRS | 9.7 | 6.4 | 6.3 | 8.3 | 6.5 | 7.0 | 7.5 | 6.7 | 6.7 | 7.2 | 7.0 | 9.6 | 8.3 | |
| REGISTERED TIME YRS | 6.1 | 6.0 | 5.4 | 6.3 | 5.6 | 5.8 | 5.3 | 5.6 | 5.5 | 6.0 | 5.7 | 5.8 | 5.4 | |
| POSTDOCTORAL STUDY PLANS % | 13.2 | 50.0 | 43.4 | 30.2 | 42.2 | 6.2 | 7.5 | 29.4 | 70.2 | 47.5 | 60.5 | 37.8 | 14.8 | |
| FELLOWSHIP | 7.3 | 14.8 | 25.4 | 9.4 | 20.6 | 2.7 | 1.9 | 14.1 | 50.2 | 29.2 | 41.2 | 22.4 | 5.6 | |
| RESEARCH ASSOC | 3.5 | 31.5 | 15.9 | 20.8 | 19.6 | 2.7 | 3.8 | 13.6 | 14.4 | 14.6 | 14.5 | 7.7 | 7.4 | |
| TRAINEESHIP | .7 | 1.9 | 1.6 | .0 | 1.4 | .0 | 1.9 | 1.1 | 1.6 | .6 | 1.2 | 2.1 | .0 | |
| OTHER | 1.8 | 1.9 | .5 | .0 | .7 | .9 | .0 | .6 | 4.0 | 3.1 | 3.6 | 5.6 | 1.9 | |
| PLANNED EMPLOYMENT AFTER DOCTORATE % | 78.8 | 38.9 | 47.6 | 60.4 | 48.3 | 88.5 | 84.9 | 62.3 | 23.5 | 41.9 | 31.4 | 54.5 | 79.6 | |
| EDUC INSTITUTION | 59.2 | 18.5 | 20.1 | 18.9 | 19.6 | 75.2 | 41.5 | 35.7 | 14.7 | 32.9 | 22.5 | 39.9 | 42.6 | |
| INDUSTRY/BUSINESS | 3.8 | 11.1 | 17.5 | 20.8 | 16.9 | 5.3 | 28.3 | 15.4 | 2.1 | 1.6 | 1.9 | 4.2 | 1.7 | |
| GOVERNMENT | 6.0 | 3.7 | 3.7 | 13.2 | 5.4 | 3.5 | 5.7 | 5.0 | 1.9 | 2.2 | 2.0 | 6.3 | 9.3 | |
| NONPROFIT | 4.0 | .0 | 2.1 | 1.9 | 1.7 | .9 | 1.9 | 1.5 | 2.1 | .9 | 1.6 | 3.5 | 1.9 | |
| OTHER & UNKNOWN | 5.7 | 5.6 | 4.2 | 5.7 | 4.7 | 3.5 | 7.5 | 4.8 | 2.8 | 4.3 | 3.5 | .7 | 9.3 | |
| POSTDOCT STATUS UNKN % | 8.0 | 11.1 | 9.0 | 9.4 | 9.5 | 5.3 | 7.5 | 8.2 | 6.3 | 10.6 | 8.1 | 7.7 | 5.6 | |
| DEFINITE POSTDOCTORAL STUDY | 9.2 | 38.9 | 27.5 | 15.1 | 27.4 | .9 | 5.7 | 18.4 | 58.6 | 33.9 | 48.0 | 25.2 | 11.1 | |
| SEEKING POSTDOCTORAL STUDY | 4.0 | 11.1 | 15.9 | 15.1 | 14.9 | 5.3 | 1.9 | 11.0 | 11.6 | 13.7 | 12.5 | 12.6 | 3.7 | |
| DEFINITE EMPLOYMENT | 52.3 | 20.4 | 32.3 | 39.6 | 31.4 | 57.5 | 50.9 | 40.0 | 15.6 | 24.5 | 19.4 | 45.5 | 48.1 | |
| SEEKING EMPLOYMENT | 26.5 | 18.5 | 15.3 | 20.8 | 16.9 | 31.0 | 34.0 | 22.3 | 7.9 | 17.4 | 12.0 | 9.1 | 31.5 | |
| EMPLOYMENT ACTIVITY AFTER DOCTORATE % | | | | | | | | | | | | | | |
| PRIMARY ACTIVITY | | | | | | | | | | | | | | |
| R & D | 12.0 | 54.5 | 52.5 | 66.7 | 55.9 | 30.8 | 63.0 | 48.1 | 29.9 | 20.3 | 24.7 | 21.5 | 34.6 | |
| TEACHING | 56.5 | 36.4 | 37.7 | 14.3 | 32.3 | 58.5 | 25.9 | 40.5 | 50.7 | 70.9 | 61.6 | 44.6 | 50.0 | |
| ADMINISTRATION | 11.8 | 9.1 | 3.3 | 9.5 | 5.4 | 1.5 | .0 | 3.2 | 3.0 | 1.3 | 2.1 | 23.1 | 3.8 | |
| PROF. SERVICES | 10.6 | .0 | 1.6 | 9.5 | 3.2 | 1.5 | 3.7 | 2.7 | 4.5 | 3.8 | 4.1 | 4.6 | 3.8 | |
| OTHER | 1.8 | .0 | 4.9 | .0 | 3.2 | .0 | .0 | 1.6 | .0 | .0 | .0 | .0 | 3.8 | |
| ACTIVITY UNKNOWN | 7.2 | .0 | .0 | .0 | .0 | 7.7 | 7.4 | 3.8 | 11.9 | 3.8 | 7.5 | 6.2 | 3.8 | |
| SECONDARY ACTIVITY | | | | | | | | | | | | | | |
| R & D | 25.2 | 27.3 | 19.7 | 14.3 | 19.4 | 35.4 | 18.5 | 24.9 | 26.9 | 50.6 | 39.7 | 26.2 | 30.8 | |
| TEACHING | 8.7 | .0 | 3.3 | 14.3 | 5.4 | 20.0 | 11.1 | 11.4 | 14.9 | 10.1 | 12.3 | 24.6 | 15.4 | |
| ADMINISTRATION | 7.8 | .0 | 4.9 | .0 | 3.2 | 4.6 | 3.7 | 3.8 | 10.4 | 3.8 | 6.8 | 9.2 | 3.8 | |
| PROF. SERVICES | 7.3 | .0 | .0 | 4.8 | 1.1 | 1.5 | 3.7 | 1.6 | 1.5 | 3.8 | 2.7 | 3.1 | .0 | |
| OTHER | 1.6 | .0 | 1.6 | 9.5 | 3.2 | 1.5 | .0 | 2.2 | .0 | .0 | .0 | 1.5 | .0 | |
| NO SECONDARY ACTIVITY | 41.8 | 63.6 | 70.5 | 57.1 | 66.7 | 29.2 | 55.6 | 51.9 | 34.3 | 27.8 | 30.8 | 27.7 | 46.2 | |
| UNKNOWN | 7.6 | 9.1 | .0 | .0 | 1.1 | 7.7 | 7.4 | 4.3 | 11.9 | 3.8 | 7.5 | 7.7 | 3.8 | |
| REGION OF EMPLOYMENT AFTER DOCTORATE % | | | | | | | | | | | | | | |
| NEW ENGLAND | 7.0 | 9.1 | 6.6 | 9.5 | 7.5 | 9.2 | 7.4 | 8.1 | 4.5 | 7.6 | 6.2 | 6.2 | 11.5 | |
| MIDDLE ATLANTIC | 18.0 | 27.3 | 29.5 | 19.0 | 26.9 | 24.6 | 7.4 | 23.2 | 20.9 | 12.7 | 16.4 | 23.1 | .0 | |
| EAST NO CENTRAL | 14.9 | 18.2 | 8.2 | 9.5 | 9.7 | 10.8 | 11.1 | 10.3 | 10.4 | 16.5 | 13.7 | 9.2 | 15.4 | |
| WEST NO CENTRAL | 6.6 | .0 | 8.2 | .0 | 5.4 | 4.6 | .0 | 4.3 | 6.0 | 7.6 | 6.8 | 3.1 | 11.5 | |
| SOUTH ATLANTIC | 16.6 | 18.2 | 18.0 | 4.8 | 15.1 | 10.8 | 11.1 | 13.0 | 20.9 | 19.0 | 19.9 | 16.9 | 3.8 | |
| EAST SO CENTRAL | 5.6 | .0 | .0 | .0 | .0 | 4.6 | 7.4 | 2.7 | 1.5 | 2.5 | 2.1 | 3.1 | 15.4 | |
| WEST SO CENTRAL | 8.1 | .0 | 3.3 | 14.3 | 5.4 | 10.8 | 7.4 | 7.6 | 13.4 | 8.9 | 11.0 | 13.8 | 7.7 | |
| MOUNTAIN | 4.2 | .0 | .0 | 19.0 | 4.3 | 3.1 | 3.7 | 3.8 | 3.0 | 5.1 | 4.1 | 1.5 | .0 | |
| PACIFIC & INSULAR | 11.1 | 9.1 | 13.1 | 19.0 | 14.0 | 16.9 | 25.9 | 16.8 | 4.5 | 6.3 | 5.5 | 16.9 | 7.7 | |
| FOREIGN | 5.4 | 9.1 | 13.1 | 4.8 | 10.8 | 1.5 | 14.8 | 8.1 | 10.4 | 11.4 | 11.0 | 4.6 | 26.9 | |
| REGION UNKNOWN | 2.7 | 9.1 | .0 | .0 | 1.1 | 3.1 | 3.7 | 2.2 | 4.5 | 2.5 | 3.4 | 1.5 | .0 | |

1/ Refer to explanatory note on page 10 and the description of doctoral field groupings on page 27.
2/ Statistics are not presented because too few records contained the specified data.

TABLE 2. CONTINUED

DOCTORATES: WOMEN

| LIFE SCIENCES | PSYCHOLOGY | ECONOMICS | ANTHROPOLOGY & SOCIOLOGY | POLIT SCI, PUBLIC ADMIN, INTERN'L REL | OTHER SOCIAL SCIENCES | SOCIAL SCIENCES INCL. PSYCHOL. | TOTAL SCIENCES | HISTORY | ENG AND AMER LANG & LIT | FOREIGN LANG & LIT | OTHER ARTS & HUMANITIES | ARTS & HUMANITIES | PROFESSIONAL FIELDS | EDUCATION | TOTAL NON-SCIENCES | OTHER OR UNSPECIFIED 2/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 967 | 946 | 93 | 380 | 137 | 177 | 1733 | 3162 | 232 | 508 | 443 | 492 | 1675 | 289 | 2537 | 4501 | 13 |
| 19.5 | 32.9 | 10.5 | 32.7 | 15.5 | 22.9 | 26.3 | 16.8 | 21.2 | 41.8 | 48.4 | 29.6 | 34.3 | 19.6 | 32.8 | 32.0 | 26.5 |
| 81.3 | 94.6 | 80.6 | 89.5 | 90.5 | 88.7 | 91.8 | 85.5 | 94.0 | 94.3 | 83.7 | 88.0 | 89.6 | 91.0 | 92.6 | 91.4 | |
| 16.1 | 4.7 | 17.2 | 9.5 | 8.8 | 6.8 | 6.9 | 12.7 | 4.3 | 3.7 | 15.3 | 10.6 | 8.9 | 6.9 | 4.9 | 6.5 | |
| 2.6 | .7 | 2.2 | 1.1 | .7 | 4.5 | 1.3 | 1.8 | 1.7 | 2.0 | .9 | 1.4 | 1.5 | 2.1 | 2.6 | 2.1 | |
| 55.1 | 54.8 | 54.8 | 57.6 | 54.0 | 46.3 | 54.5 | 54.8 | 48.3 | 57.7 | 59.1 | 54.1 | 55.7 | 51.6 | 55.5 | 55.3 | |
| 42.0 | 43.4 | 39.8 | 40.3 | 41.6 | 48.6 | 42.9 | 42.5 | 48.3 | 38.8 | 39.3 | 42.5 | 41.3 | 46.7 | 40.3 | 41.1 | |
| 2.9 | 1.8 | 5.4 | 2.1 | 4.4 | 5.1 | 2.6 | 2.7 | 3.4 | 3.5 | 1.6 | 3.5 | 3.0 | 1.7 | 4.2 | 3.6 | |
| 29.5 | 29.9 | 30.0 | 32.0 | 31.5 | 32.5 | 30.7 | 30.0 | 32.8 | 33.1 | 32.7 | 32.0 | 32.6 | 35.5 | 37.4 | 35.0 | |
| 38.2 | 66.0 | 62.4 | 51.6 | 63.5 | 18.6 | 57.6 | 54.2 | 55.6 | 77.4 | 73.1 | 41.7 | 62.7 | 33.9 | 43.9 | 50.3 | |
| 58.9 | 78.3 | 82.8 | 85.0 | 82.5 | 91.5 | 81.7 | 73.1 | 91.8 | 89.4 | 89.4 | 86.4 | 88.8 | 94.1 | 96.2 | 93.3 | |
| 7.3 | 7.1 | 7.8 | 8.9 | 9.2 | 9.7 | 8.0 | 7.5 | 9.7 | 10.6 | 9.9 | 9.5 | 9.9 | 12.2 | 13.0 | 11.5 | |
| 5.7 | 5.6 | 5.8 | 6.4 | 6.5 | 5.6 | 5.9 | 5.8 | 7.7 | 7.1 | 7.1 | 6.8 | 7.1 | 6.0 | 6.0 | 6.4 | |
| 54.0 | 16.3 | .0 | 9.5 | 8.0 | 4.5 | 12.1 | 27.4 | 4.7 | 3.1 | 5.0 | 5.3 | 4.5 | 1.7 | 2.6 | 3.3 | |
| 36.0 | 9.1 | .0 | 3.9 | 4.4 | 1.1 | 6.3 | 16.5 | 1.3 | .6 | 1.8 | 2.2 | 1.5 | .3 | .4 | .8 | |
| 13.0 | 2.3 | .0 | 3.9 | 2.9 | 1.1 | 2.5 | 7.3 | .4 | .2 | .7 | 1.2 | .7 | .7 | .9 | .8 | |
| 1.2 | 1.8 | .0 | .0 | .0 | .6 | 1.0 | 1.1 | .0 | .0 | .0 | .6 | .2 | .0 | .5 | .4 | |
| 3.7 | 3.1 | .0 | 1.6 | .7 | 1.7 | 2.3 | 2.5 | 3.0 | 2.4 | 2.5 | 1.2 | 2.1 | .7 | .9 | 1.3 | |
| 38.2 | 78.8 | 93.5 | 85.0 | 81.0 | 85.9 | 81.8 | 65.6 | 85.3 | 85.8 | 82.2 | 86.8 | 85.1 | 90.0 | 89.8 | 88.0 | |
| 26.2 | 41.2 | 61.3 | 70.3 | 61.3 | 62.1 | 52.4 | 41.9 | 68.5 | 75.4 | 67.3 | 70.3 | 70.8 | 67.1 | 72.3 | 71.4 | |
| 3.2 | 6.4 | 8.6 | 2.4 | 1.5 | 5.6 | 5.1 | 6.0 | 2.2 | 2.4 | 1.8 | 3.5 | 2.5 | 3.5 | 1.9 | 2.2 | |
| 3.4 | 13.5 | 17.2 | 2.9 | 7.3 | 6.8 | 10.2 | 7.4 | 3.9 | .8 | 1.8 | 3.0 | 2.1 | 4.8 | 6.9 | 5.0 | |
| 1.9 | 11.6 | 2.2 | 3.9 | 3.6 | 3.4 | 8.0 | 5.2 | 3.0 | .2 | .5 | 2.4 | 1.3 | 8.7 | 3.9 | 3.2 | |
| 3.5 | 5.9 | 4.3 | 5.8 | 7.3 | 7.9 | 6.1 | 5.1 | 7.8 | 7.1 | 10.8 | 7.5 | 8.3 | 5.9 | 4.8 | 6.2 | |
| 7.9 | 5.0 | 6.5 | 5.5 | 10.9 | 9.6 | 6.1 | 7.0 | 9.9 | 11.0 | 12.9 | 7.9 | 10.4 | 8.3 | 7.6 | 8.7 | |
| 42.0 | 11.1 | .0 | 6.3 | 3.6 | 2.8 | 8.0 | 19.9 | 1.3 | 1.4 | 1.4 | 3.0 | 1.9 | .7 | 1.6 | 1.6 | |
| 12.0 | 5.2 | .0 | 3.2 | 4.4 | 1.7 | 4.0 | 7.5 | 3.4 | 1.8 | 3.6 | 2.2 | 2.6 | 1.0 | 1.0 | 1.6 | |
| 25.3 | 52.1 | 71.0 | 61.1 | 51.8 | 57.1 | 55.6 | 44.1 | 52.2 | 47.4 | 44.7 | 49.6 | 48.0 | 67.8 | 63.5 | 58.0 | |
| 12.8 | 26.6 | 22.6 | 23.9 | 29.2 | 28.8 | 26.3 | 21.6 | 33.2 | 38.4 | 37.5 | 37.2 | 37.1 | 22.1 | 26.3 | 30.0 | |
| 25.3 | 15.2 | 40.9 | 18.5 | 16.9 | 19.8 | 18.4 | 23.5 | 9.1 | .4 | 2.0 | 4.5 | 3.4 | 6.6 | 7.0 | 5.9 | |
| 55.1 | 33.5 | 51.5 | 71.1 | 70.4 | 56.4 | 48.9 | 48.9 | 68.6 | 85.9 | 83.3 | 79.5 | 80.7 | 64.3 | 50.1 | 60.6 | |
| 7.8 | 4.1 | 1.5 | 3.0 | 4.2 | 7.9 | 4.0 | 4.6 | 5.0 | 4.6 | 3.5 | 3.7 | 4.1 | 9.2 | 22.3 | 15.7 | |
| 4.1 | 39.6 | .0 | 1.3 | 2.8 | 4.0 | 21.2 | 15.7 | 7.4 | 1.2 | 1.5 | 3.3 | 2.9 | 10.2 | 10.2 | 7.9 | |
| .8 | 2.6 | 3.0 | .9 | 1.4 | 3.0 | 2.2 | 1.9 | .8 | 1.7 | .5 | 3.3 | 1.7 | 1.5 | 1.9 | 1.8 | |
| 6.9 | 5.1 | 3.0 | 5.2 | 4.2 | 8.9 | 5.3 | 5.4 | 9.1 | 6.2 | 9.1 | 5.7 | 7.2 | 8.2 | 8.6 | 8.1 | |
| 33.9 | 27.4 | 34.8 | 41.4 | 38.0 | 26.7 | 32.0 | 31.4 | 34.7 | 26.6 | 37.9 | 28.7 | 31.2 | 26.5 | 16.7 | 21.9 | |
| 15.9 | 13.8 | 12.1 | 10.3 | 5.6 | 6.9 | 11.5 | 12.3 | 5.8 | 1.7 | 2.0 | 5.3 | 3.5 | 8.7 | 8.1 | 6.7 | |
| 7.3 | 7.1 | 3.0 | 4.3 | 7.0 | 4.0 | 5.8 | 5.8 | 5.8 | 6.6 | 5.1 | 5.3 | 5.7 | 9.7 | 10.4 | 8.9 | |
| 2.4 | 11.0 | 3.0 | 2.6 | 1.4 | 5.0 | 7.1 | 5.5 | 1.7 | 3.3 | 2.5 | 2.9 | 2.7 | 8.7 | 10.9 | 8.2 | |
| .4 | 1.6 | .0 | .4 | 1.4 | .0 | 1.0 | 1.1 | 2.5 | .4 | 1.0 | 2.0 | 1.4 | 4.1 | 1.8 | 1.8 | |
| 32.2 | 33.7 | 43.9 | 35.3 | 42.3 | 48.5 | 37.0 | 38.1 | 39.7 | 55.2 | 41.9 | 50.0 | 48.0 | 33.7 | 42.9 | 43.8 | |
| 7.8 | 5.5 | 3.0 | 5.6 | 4.2 | 8.9 | 5.6 | 5.8 | 9.9 | 6.2 | 9.6 | 5.7 | 7.5 | 8.7 | 9.2 | 8.6 | |
| 6.5 | 5.9 | 4.5 | 8.6 | 11.3 | 4.0 | 6.6 | 6.8 | 9.9 | 12.9 | 17.2 | 9.4 | 12.4 | 5.1 | 4.8 | 7.2 | |
| 16.3 | 25.8 | 16.7 | 16.8 | 22.5 | 20.8 | 22.2 | 21.3 | 19.0 | 11.6 | 19.7 | 21.7 | 17.8 | 18.9 | 15.2 | 16.3 | |
| 13.1 | 16.0 | 9.1 | 14.7 | 11.3 | 18.8 | 15.2 | 14.1 | 14.9 | 16.2 | 15.2 | 13.5 | 14.9 | 19.4 | 15.0 | 15.3 | |
| 6.5 | 5.3 | 9.1 | 4.3 | 1.4 | 5.9 | 5.1 | 5.2 | 5.0 | 8.3 | 5.6 | 8.6 | 7.2 | 7.7 | 7.2 | 7.2 | |
| 17.6 | 14.6 | 28.8 | 14.7 | 22.5 | 12.9 | 16.0 | 15.9 | 19.8 | 14.5 | 9.1 | 11.9 | 13.2 | 8.2 | 19.9 | 16.9 | |
| 3.7 | 3.0 | 3.0 | 3.9 | 2.8 | 2.0 | 3.1 | 3.2 | 5.8 | 9.1 | 4.0 | 3.3 | 5.6 | 8.2 | 7.3 | 6.9 | |
| 11.0 | 5.7 | 1.5 | 7.3 | 8.5 | 5.9 | 6.0 | 7.1 | 9.9 | 8.7 | 5.1 | 4.9 | 6.8 | 8.7 | 9.6 | 8.7 | |
| 3.3 | 4.1 | .0 | 5.2 | 8.5 | 3.0 | 4.3 | 4.0 | 4.1 | 3.3 | 3.5 | 2.5 | 3.2 | 5.6 | 4.6 | 4.3 | |
| 8.6 | 12.8 | 15.2 | 12.5 | 5.6 | 16.8 | 12.8 | 12.6 | 8.3 | 8.3 | 15.7 | 11.9 | 11.2 | 12.8 | 9.6 | 10.3 | |
| 11.0 | 3.9 | 10.6 | 9.5 | 5.6 | 4.0 | 5.8 | 7.0 | 2.5 | 5.4 | 3.0 | 8.6 | 5.3 | 4.6 | 3.9 | 4.4 | |
| 2.4 | 3.0 | 1.5 | .6 | .0 | 5.9 | 2.9 | 2.7 | .8 | 1.7 | 2.0 | 3.7 | 2.2 | 1.0 | 3.0 | 2.6 | |

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 3
PERCENTAGE OF FY 1976 DOCTORATE RECIPIENTS BY SOURCES OF SUPPORT IN GRADUATE SCHOOL, BY SEX AND SUMMARY FIELD [1]

| SOURCES OF SUPPORT IN GRADUATE SCHOOL | | DOCTORATE RECIPIENTS BY FIELD: PHYSICAL [2] SCIENCES | ENGINEERING | LIFE SCIENCES | SOCIAL SCIENCES | ARTS AND HUMANITIES | PROF. FIELDS | EDUCATION | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| | | MEN/WOMEN | MEN/WOMEN | MEN/WOMEN | MEN/WOMEN | MEN/WOMEN | MEN/WOMEN | MEN/WOMEN | MEN/WOMEN |
| NSF FELLOWSHIP | N | 398/ 37 | 175/ 1 | 162/ 54 | 196/ 71 | 18/ 14 | 6/ 1 | 150/ 48 | 1105/ 226 |
| | V% | 10.2/ 9.4 | 6.7/ 2.0 | 4.2/ 5.9 | 4.2/ 4.3 | .6/ .9 | .5/ .4 | 3.1/ 2.0 | 4.6/ 3.1 |
| | H% | 36.0/16.4 | 15.8/ .4 | 14.7/23.9 | 17.7/31.4 | 1.6/ 6.2 | .5/ .4 | 13.6/21.2 | 99.9/ 99.9 |
| NSF TRAINEESHIP | N | 315/ 40 | 154/ 1 | 155/ 56 | 155/ 54 | 12/ 9 | 2/ 1 | 17/ 7 | 810/ 168 |
| | V% | 8.1/10.1 | 5.9/ 2.0 | 4.0/ 6.1 | 3.4/ 3.2 | .4/ .6 | .2/ .4 | .3/ .3 | 3.4/ 2.3 |
| | H% | 38.9/23.8 | 19.0/ .6 | 19.1/33.3 | 19.1/32.1 | 1.5/ 3.4 | .2/ .6 | 2.1/ 4.2 | 99.9/100.0 |
| NIH FELLOWSHIP | N | 42/ 5 | 14/ 1 | 212/ 67 | 202/ 127 | 4/ 6 | 17/ 5 | 9/ 16 | 500/ 227 |
| | V% | 1.1/ 1.3 | .5/ 2.0 | 5.5/ 7.3 | 4.4/ 7.6 | .1/ .4 | 1.5/ 1.8 | .2/ .7 | 2.1/ 3.1 |
| | H% | 3.4/ 2.2 | 2.8/ .4 | 42.4/29.5 | 40.4/55.9 | .8/ 2.6 | 3.4/ 2.2 | 1.8/ 7.0 | 100.0/ 99.8 |
| NIH TRAINEESHIP | N | 62/ 14 | 44/ 2 | 778/ 270 | 340/ 156 | 10/ 4 | 21/ 13 | 12/ 15 | 1267/ 474 |
| | V% | 1.6/ 3.5 | 1.1/ 3.9 | 20.2/29.3 | 7.4/ 9.4 | .3/ .3 | 1.9/ 4.7 | .2/ .6 | 5.3/ 6.5 |
| | H% | 4.9/ 3.0 | 3.5/ .4 | 61.4/57.0 | 26.8/32.9 | .8/ .8 | 1.7/ 2.7 | .9/ 3.2 | 100.0/100.0 |
| NDEA FELLOWSHIP | N | 247/ 28 | 114/ 2 | 172/ 49 | 398/ 150 | 538/ 285 | 46/ 8 | 228/ 114 | 1743/ 636 |
| | V% | 6.4/ 7.1 | 4.3/ 3.9 | 4.5/ 5.3 | 8.6/ 9.0 | 17.9/17.9 | 4.1/ 2.9 | 4.6/ 4.8 | 7.3/ 8.7 |
| | H% | 14.2/ 4.4 | 6.5/ .3 | 9.9/ 7.7 | 22.8/23.6 | 30.9/44.8 | 2.6/ 1.3 | 13.1/17.9 | 100.0/100.0 |
| NATIONAL DIRECT STUDENT LOANS | N | 219/ 11 | 123/ 0 | 311/ 50 | 692/ 222 | 560/ 193 | 129/ 22 | 589/ 189 | 2623/ 687 |
| | V% | 5.6/ 2.8 | 4.7/ .0 | 8.1/ 5.4 | 15.0/13.3 | 18.6/12.1 | 11.4/ 8.0 | 12.0/ 7.9 | 10.9/ 9.4 |
| | H% | 8.3/ 1.6 | 4.7/ .0 | 11.9/ 7.3 | 26.4/32.3 | 21.3/28.1 | 4.9/ 3.2 | 22.5/27.5 | 100.0/100.0 |
| OTHER HEW | N | 26/ 4 | 23/ 1 | 138/ 68 | 333/ 192 | 31/ 17 | 61/ 53 | 264/ 175 | 876/ 510 |
| | V% | .7/ 1.0 | .9/ 2.0 | 3.6/ 7.4 | 7.2/11.5 | 1.0/ 1.1 | 5.4/19.2 | 5.4/ 7.3 | 3.6/ 7.0 |
| | H% | 3.0/ .8 | 2.6/ .2 | 15.8/13.3 | 38.0/37.6 | 3.5/ 3.3 | 7.0/10.4 | 30.1/34.3 | 100.0/ 99.9 |
| NASA TRAINEESHIP | N | 62/ 4 | 58/ 0 | 16/ 2 | 8/ 3 | 1/ 1 | 1/ 0 | 6/ 1 | 152/ 11 |
| | V% | 1.6/ 1.0 | 2.2/ .0 | .4/ .2 | .2/ .2 | .0/ .1 | .1/ .0 | .1/ .0 | .6/ .2 |
| | H% | 40.8/36.4 | 38.2/ .0 | 10.5/18.2 | 5.3/27.3 | .7/ 9.1 | .7/ .0 | 3.9/ 9.1 | 100.1/100.1 |
| GI BILL | N | 434/ 0 | 233/ 0 | 554/ 5 | 687/ 15 | 440/ 4 | 214/ 6 | 975/ 19 | 3537/ 49 |
| | V% | 11.2/ .0 | 8.9/ .0 | 14.4/ .5 | 14.9/ .9 | 14.6/ .3 | 19.0/ 2.2 | 19.9/ .8 | 14.7/ .7 |
| | H% | 12.3/ .0 | 6.6/ .0 | 15.7/10.2 | 19.4/30.6 | 12.4/ 8.2 | 6.1/12.2 | 27.6/38.8 | 100.1/100.0 |
| OTHER FEDERAL [3] SUPPORT | N | 259/ 21 | 295/ 3 | 313/ 43 | 425/ 146 | 194/ 77 | 78/ 25 | 274/ 134 | 1838/ 449 |
| | V% | 6.7/ 5.3 | 11.2/ 5.9 | 8.1/ 4.7 | 9.2/ 8.8 | 6.4/ 4.8 | 6.9/ 9.1 | 5.6/ 5.6 | 7.7/ 6.2 |
| | H% | 14.1/ 4.7 | 16.1/ .7 | 17.0/ 9.6 | 23.1/32.5 | 10.6/17.1 | 4.2/ 5.6 | 14.9/29.8 | 100.0/100.0 |
| WOODROW WILSON FELLOWSHIP | N | 25/ 1 | 0/ 0 | 5/ 3 | 49/ 26 | 138/ 94 | 0/ 0 | 2/ 2 | 219/ 126 |
| | V% | .6/ .3 | .0/ .0 | .1/ .3 | 1.1/ 1.6 | 4.6/ 5.9 | .0/ .0 | .0/ .1 | .9/ 1.7 |
| | H% | 11.4/ .8 | .0/ .0 | 2.3/ 2.4 | 22.4/20.6 | 63.0/74.6 | .0/ .0 | .9/ 1.6 | 100.0/100.0 |
| OTHER NATIONAL FELLOWSHIP | N | 70/ 14 | 46/ 1 | 83/ 13 | 188/ 80 | 173/ 124 | 25/ 18 | 96/ 55 | 681/ 305 |
| | V% | 1.8/ 3.5 | 1.8/ 2.0 | 2.2/ 1.4 | 4.1/ 4.8 | 5.7/ 7.8 | 2.2/ 6.5 | 2.0/ 2.3 | 2.8/ 4.2 |
| | H% | 10.3/ 4.6 | 6.8/ .3 | 12.2/ 4.3 | 27.6/26.2 | 25.4/40.7 | 3.7/ 5.9 | 14.1/18.0 | 100.1/100.0 |
| UNIVERSITY FELLOWSHIP | N | 879/ 111 | 464/ 16 | 541/ 190 | 1189/ 415 | 1129/ 653 | 246/ 52 | 491/ 309 | 4939/ 1746 |
| | V% | 22.6/28.1 | 17.7/31.4 | 14.1/20.6 | 25.7/24.9 | 37.5/41.1 | 21.8/18.8 | 10.0/12.9 | 20.6/ 23.9 |
| | H% | 17.8/ 6.4 | 9.4/ .9 | 11.0/10.9 | 24.1/23.8 | 22.9/37.4 | 5.0/ 3.0 | 9.9/17.7 | 100.1/100.1 |
| TEACHING ASSISTANTSHIP | N | 2937/ 313 | 1139/ 19 | 1686/ 405 | 2657/ 875 | 2003/1064 | 540/ 108 | 1371/ 718 | 12333/ 3502 |
| | V% | 75.5/79.2 | 43.4/37.3 | 43.9/43.9 | 57.5/52.6 | 66.6/67.0 | 47.8/39.1 | 27.9/29.9 | 51.3/ 48.0 |
| | H% | 23.8/ 8.9 | 9.2/ .5 | 13.7/11.6 | 21.5/25.0 | 16.2/30.4 | 4.4/ 3.1 | 11.1/20.5 | 99.9/100.0 |
| RESEARCH ASSISTANTSHIP | N | 2620/ 233 | 1801/ 36 | 1891/ 354 | 2008/ 617 | 447/ 231 | 321/ 65 | 905/ 427 | 9993/ 1963 |
| | V% | 67.4/59.0 | 68.6/70.6 | 49.2/38.4 | 43.5/37.1 | 14.9/14.5 | 28.4/23.6 | 18.4/17.8 | 41.6/ 26.9 |
| | H% | 26.2/11.9 | 18.0/ 1.8 | 18.9/18.0 | 20.1/31.4 | 4.5/11.8 | 3.2/ 3.3 | 9.1/21.8 | 100.0/100.0 |
| EDUC. FUNDS OF INDUSTRY | N | 283/ 26 | 307/ 6 | 107/ 28 | 97/ 18 | 39/ 23 | 89/ 7 | 116/ 41 | 1038/ 149 |
| | V% | 7.3/ 6.6 | 11.7/11.8 | 2.8/ 3.0 | 2.1/ 1.1 | 1.3/ 1.4 | 7.9/ 2.5 | 2.4/ 1.7 | 4.3/ 2.0 |
| | H% | 27.3/17.4 | 29.6/ 4.0 | 10.3/18.8 | 9.3/12.1 | 3.8/15.4 | 8.6/ 4.7 | 11.2/27.5 | 100.1/ 99.9 |
| OTHER INSTITUTION FUNDS | N | 228/ 19 | 152/ 7 | 347/ 84 | 523/ 216 | 365/ 233 | 132/ 40 | 458/ 285 | 2205/ 884 |
| | V% | 5.9/ 4.8 | 5.8/13.7 | 9.0/ 9.1 | 11.3/13.0 | 12.1/14.7 | 11.7/14.5 | 9.3/11.9 | 9.2/ 12.1 |
| | H% | 10.3/ 2.1 | 6.9/ .8 | 15.7/ 9.5 | 23.7/24.4 | 16.6/26.4 | 6.0/ 4.5 | 20.8/32.2 | 100.0/ 99.9 |
| OWN EARNINGS | N | 1440/ 106 | 1164/ 20 | 1617/ 343 | 2817/1002 | 2020/ 961 | 808/ 177 | 3817/1766 | 13683/ 4375 |
| | V% | 37.0/26.8 | 44.3/39.2 | 42.1/37.2 | 61.0/60.2 | 67.1/60.5 | 71.6/64.1 | 77.7/73.6 | 57.0/ 60.0 |
| | H% | 10.5/ 2.4 | 8.5/ .5 | 11.8/ 7.8 | 20.6/22.9 | 14.8/22.0 | 5.9/ 4.0 | 27.9/40.4 | 100.0/100.0 |
| SPOUSE'S EARNINGS | N | 1290/ 87 | 711/ 9 | 1482/ 237 | 1863/ 585 | 1250/ 566 | 487/ 103 | 1726/ 832 | 8809/ 2419 |
| | V% | 33.2/22.0 | 27.1/17.6 | 38.6/25.7 | 40.3/35.2 | 41.5/35.6 | 43.1/37.3 | 35.1/34.7 | 36.7/ 33.2 |
| | H% | 14.6/ 3.6 | 8.1/ .4 | 16.8/ 9.8 | 21.1/24.2 | 14.2/23.4 | 5.5/ 4.3 | 19.6/34.4 | 99.9/100.1 |
| FAMILY CONTRIBUTIONS | N | 557/ 44 | 394/ 6 | 619/ 155 | 948/ 353 | 786/ 406 | 163/ 57 | 575/ 336 | 4042/ 1357 |
| | V% | 14.3/11.1 | 15.0/11.8 | 16.1/16.8 | 20.5/21.2 | 26.1/25.6 | 14.4/20.7 | 11.7/14.0 | 16.8/ 18.6 |
| | H% | 13.8/ 3.2 | 9.7/ .4 | 15.3/11.4 | 23.5/26.0 | 19.4/29.9 | 4.0/ 4.2 | 14.2/24.8 | 99.9/ 99.9 |
| OTHER LOANS | N | 312/ 21 | 226/ 2 | 423/ 66 | 774/ 249 | 565/ 222 | 195/ 33 | 732/ 272 | 3227/ 865 |
| | V% | 8.0/ 5.3 | 8.6/ 3.9 | 11.0/ 7.2 | 16.8/15.0 | 18.8/14.0 | 17.3/12.0 | 14.9/11.3 | 13.4/ 11.9 |
| | H% | 9.7/ 2.4 | 7.0/ .2 | 13.1/ 7.6 | 24.0/28.8 | 17.5/25.7 | 6.0/ 3.8 | 22.7/31.4 | 100.0/ 99.9 |
| OTHER | N | 213/ 17 | 179/ 4 | 299/ 63 | 328/ 112 | 242/ 136 | 112/ 36 | 333/ 197 | 1706/ 565 |
| | V% | 5.5/ 4.3 | 6.8/ 7.8 | 7.8/ 6.8 | 7.1/ 6.7 | 8.0/ 8.6 | 9.9/13.0 | 6.8/ 8.2 | 7.1/ 7.7 |
| | H% | 12.5/ 3.0 | 10.5/ .7 | 17.5/11.2 | 19.2/19.8 | 14.2/24.1 | 6.6/ 6.4 | 19.5/34.9 | 100.0/100.1 |
| UNDUPLICATED TOTAL | N | 3889/ 395 | 2626/ 51 | 3842/ 922 | 4618/1664 | 3009/1589 | 1129/ 276 | 4911/2398 | 24024/ 7295 [4] |



1/ Refer to explanatory note on page 11.
2/ Includes mathematics.
3/ Includes AEC Fellowship which was formerly shown separately.
4/ The 49 individuals shown in Table 1 as having subfield "Other and Unspecified" are omitted from this table.

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 4
NUMBER OF FY 1976 DOCTORATE RECIPIENTS BY SEX, STATE OF DOCTORAL INSTITUTION AND SUMMARY FIELD 1/

| STATE OF DOCTORAL INSTITUTION | NUMBER OF DOCTORATE RECIPIENTS BY FIELD | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PHYSICAL 2/ SCIENCES | | ENGI-NEERING | | LIFE SCIENCES | | SOCIAL SCIENCES | | ARTS AND HUMANITIES | | PROF. FIELDS | | EDUCA-TION | | OTHER & UNSPEC. | | TOTAL | |
| | MEN/WOMEN | | MEN/WOMEN | | MEN/WOMEN | | MEN/WOMEN | | MEN/WOMEN | | MEN/WOMEN | | MEN/WOMEN | | MEN/WOMEN | | MEN/WOMEN | |
| U.S. TOTAL | 4036/ | 409 | 2738/ | 53 | 4004/ | 967 | 4850/1733 | | 3208/1675 | | 1185/ | 289 | 5190/2537 | | 36/ | 13 | 25247/ | 7676 |
| ALABAMA | 20 | 1 | 10 | 0 | 28 | 3 | 14 | 5 | 6 | 1 | 6 | 2 | 86 | 45 | 0 | 0 | 170 | 57 |
| ALASKA | 3 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 |
| ARIZONA | 62 | 0 | 22 | 0 | 57 | 6 | 44 | 19 | 26 | 6 | 14 | 0 | 94 | 39 | 0 | 0 | 319 | 70 |
| ARKANSAS | 8 | 1 | 7 | 1 | 14 | 2 | 10 | 5 | 4 | 2 | 15 | 0 | 29 | 7 | 1 | 0 | 88 | 18 |
| CALIFORNIA | 546 | 46 | 473 | 8 | 431 | 123 | 599 | 212 | 335 | 178 | 104 | 21 | 324 | 144 | 1 | 1 | 2813 | 733 |
| COLORADO | 86 | 7 | 60 | 1 | 78 | 20 | 105 | 40 | 43 | 12 | 20 | 12 | 168 | 71 | 0 | 0 | 560 | 163 |
| CONNECTICUT | 75 | 8 | 26 | 0 | 55 | 16 | 118 | 25 | 113 | 67 | 9 | 1 | 48 | 13 | 0 | 0 | 444 | 130 |
| DELAWARE | 14 | 5 | 11 | 1 | 3 | 4 | 9 | 2 | 7 | 4 | 0 | 0 | 6 | 1 | 0 | 0 | 50 | 17 |
| D. C. | 49 | 10 | 23 | 4 | 33 | 28 | 111 | 46 | 65 | 44 | 47 | 6 | 72 | 33 | 1 | 0 | 401 | 171 |
| FLORIDA | 85 | 14 | 39 | 1 | 112 | 11 | 126 | 41 | 58 | 29 | 25 | 14 | 565 | 245 | 0 | 0 | 1010 | 355 |
| GEORGIA | 49 | 5 | 33 | 0 | 61 | 8 | 79 | 36 | 46 | 23 | 45 | 1 | 103 | 64 | 0 | 0 | 416 | 137 |
| HAWAII | 11 | 1 | 5 | 0 | 24 | 4 | 43 | 8 | 10 | 6 | 0 | 0 | 3 | 1 | 0 | 0 | 96 | 20 |
| IDAHO | 17 | 1 | 2 | 0 | 14 | 0 | 5 | 1 | 7 | 2 | 0 | 0 | 16 | 5 | 0 | 0 | 61 | 9 |
| ILLINOIS | 223 | 35 | 174 | 6 | 172 | 55 | 805 | 136 | 228 | 98 | 72 | 21 | 276 | 142 | 3 | 1 | 1453 | 494 |
| INDIANA | 141 | 2 | 90 | 3 | 138 | 28 | 159 | 42 | 139 | 64 | 44 | 16 | 223 | 91 | 3 | 1 | 937 | 247 |
| IOWA | 85 | 4 | 57 | 0 | 116 | 14 | 60 | 14 | 67 | 20 | 21 | 1 | 74 | 30 | 1 | 0 | 481 | 83 |
| KANSAS | 36 | 5 | 20 | 0 | 68 | 10 | 56 | 23 | 30 | 15 | 11 | 5 | 65 | 41 | 0 | 0 | 286 | 99 |
| KENTUCKY | 19 | 1 | 12 | 0 | 28 | 5 | 36 | 12 | 29 | 12 | 20 | 0 | 14 | 12 | 0 | 0 | 158 | 42 |
| LOUISIANA | 36 | 6 | 16 | 0 | 65 | 14 | 26 | 10 | 34 | 16 | 54 | 4 | 31 | 16 | 0 | 0 | 262 | 66 |
| MAINE | 2 | 0 | 1 | 0 | 6 | 3 | 8 | 1 | 6 | 2 | 0 | 0 | 8 | 4 | 0 | 0 | 31 | 10 |
| MARYLAND | 96 | 11 | 36 | 1 | 88 | 28 | 91 | 33 | 51 | 31 | 8 | 3 | 87 | 49 | 0 | 0 | 457 | 156 |
| MASSACHUSETTS | 320 | 36 | 190 | 3 | 168 | 68 | 261 | 95 | 218 | 123 | 73 | 12 | 214 | 125 | 2 | 0 | 1446 | 462 |
| MICHIGAN | 127 | 19 | 93 | 3 | 189 | 41 | 246 | 90 | 128 | 75 | 43 | 20 | 300 | 123 | 1 | 7 | 1127 | 373 |
| MINNESOTA | 49 | 1 | 41 | 0 | 103 | 10 | 73 | 23 | 50 | 18 | 18 | 3 | 64 | 37 | 0 | 0 | 398 | 92 |
| MISSISSIPPI | 13 | 0 | 12 | 0 | 57 | 3 | 50 | 2 | 12 | 6 | 8 | 2 | 83 | 32 | 0 | 0 | 235 | 45 |
| MISSOURI | 51 | 7 | 39 | 1 | 68 | 6 | 116 | 36 | 67 | 28 | 32 | 3 | 120 | 43 | 1 | 0 | 494 | 124 |
| MONTANA | 11 | 1 | 3 | 0 | 21 | 0 | 9 | 1 | 1 | 0 | 0 | 0 | 17 | 3 | 0 | 0 | 62 | 5 |
| NEBRASKA | 11 | 1 | 6 | 1 | 39 | 2 | 26 | 5 | 23 | 5 | 10 | 0 | 34 | 14 | 0 | 0 | 149 | 28 |
| NEVADA | 4 | 1 | 0 | 0 | 3 | 0 | 8 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 6 |
| NEW HAMPSHIRE | 23 | 0 | 7 | 0 | 21 | 4 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 8 |
| NEW JERSEY | 105 | 15 | 62 | 0 | 64 | 14 | 75 | 26 | 95 | 33 | 13 | 4 | 66 | 43 | 0 | 0 | 480 | 135 |
| NEW MEXICO | 30 | 1 | 13 | 0 | 8 | 3 | 25 | 4 | 23 | 8 | 0 | 0 | 29 | 16 | 0 | 0 | 128 | 32 |
| NEW YORK | 429 | 50 | 267 | 3 | 343 | 146 | 583 | 295 | 406 | 276 | 97 | 46 | 377 | 270 | 6 | 3 | 2508 | 1089 |
| NORTH CAROLINA | 77 | 12 | 55 | 0 | 141 | 33 | 117 | 24 | 95 | 40 | 15 | 8 | 77 | 36 | 0 | 0 | 577 | 153 |
| NORTH DAKOTA | 8 | 1 | 0 | 0 | 19 | 2 | 9 | 3 | 2 | 1 | 0 | 0 | 15 | 8 | 0 | 0 | 53 | 15 |
| OHIO | 187 | 13 | 154 | 5 | 168 | 30 | 219 | 88 | 124 | 74 | 94 | 27 | 214 | 106 | 2 | 0 | 1162 | 343 |
| OKLAHOMA | 31 | 5 | 49 | 0 | 60 | 6 | 51 | 11 | 15 | 7 | 16 | 2 | 103 | 40 | 0 | 0 | 325 | 71 |
| OREGON | 53 | 1 | 13 | 0 | 60 | 13 | 49 | 19 | 35 | 13 | 10 | 1 | 93 | 38 | 1 | 0 | 314 | 85 |
| PENNSYLVANIA | 203 | 31 | 177 | 1 | 173 | 52 | 270 | 85 | 172 | 96 | 76 | 20 | 283 | 149 | 3 | 3 | 1357 | 437 |
| RHODE ISLAND | 46 | 5 | 23 | 1 | 19 | 2 | 25 | 15 | 23 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 136 | 57 |
| SOUTH CAROLINA | 29 | 4 | 17 | 0 | 21 | 7 | 21 | 7 | 21 | 8 | 6 | 1 | 29 | 22 | 4 | 0 | 148 | 49 |
| SOUTH DAKOTA | 2 | 0 | 1 | 0 | 5 | 0 | 9 | 2 | 0 | 0 | 0 | 0 | 23 | 10 | 0 | 0 | 40 | 12 |
| TENNESSEE | 35 | 3 | 50 | 1 | 61 | 15 | 82 | 31 | 55 | 24 | 6 | 7 | 98 | 68 | 0 | 1 | 387 | 150 |
| TEXAS | 196 | 17 | 136 | 3 | 174 | 46 | 144 | 65 | 113 | 60 | 86 | 16 | 239 | 132 | 2 | 0 | 1090 | 339 |
| UTAH | 36 | 0 | 44 | 1 | 50 | 5 | 79 | 12 | 15 | 6 | 13 | 2 | 136 | 41 | 0 | 0 | 373 | 67 |
| VERMONT | 11 | 0 | 4 | 0 | 8 | 0 | 8 | 4 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 7 |
| VIRGINIA | 61 | 3 | 46 | 3 | 65 | 17 | 45 | 8 | 43 | 23 | 4 | 0 | 99 | 58 | 0 | 0 | 363 | 112 |
| WASHINGTON | 71 | 8 | 38 | 0 | 98 | 21 | 93 | 28 | 51 | 22 | 24 | 4 | 48 | 12 | 2 | 0 | 425 | 95 |
| WEST VIRGINIA | 5 | 0 | 12 | 0 | 25 | 3 | 18 | 3 | 8 | 2 | 0 | 0 | 35 | 7 | 0 | 0 | 103 | 15 |
| WISCONSIN | 135 | 10 | 67 | 1 | 171 | 36 | 124 | 30 | 100 | 55 | 26 | 4 | 87 | 48 | 2 | 1 | 712 | 185 |
| WYOMING | 13 | 0 | 2 | 0 | 7 | 0 | 5 | 3 | 1 | 0 | 0 | 0 | 15 | 3 | 0 | 0 | 43 | 6 |
| PUERTO RICO | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 |

1/ Refer to explanatory note on page 11.
2/ Includes mathematics

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

TABLE 5
STATISTICAL PROFILE OF DOCTORATE RECIPIENTS BY RACIAL OR ETHNIC GROUP AND U.S. CITIZENSHIP STATUS, FY 1976 1/

| | | TOTAL | | | | WHITE | | | | BLACK | | | | AMER. INDIAN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | U.S. | NON-U.S. PERM. | NON-U.S. TEMP. | TOTAL | U.S. | NON-U.S. PERM. | NON-U.S. TEMP. | TOTAL | U.S. | NON-U.S. PERM. | NON-U.S. TEMP. | TOTAL | TOTAL |
| OTAL NUMBER | | 27195 | 1491 | 3518 | 32923 2/ | 24204 | 568 | 1381 | 26184 3/ | 1085 | 54 | 155 | 1297 3/ | 148 |
| MALE | V% | 74.9 | 80.6 | 88.4 | 76.7 | 75.4 | 74.5 | 86.8 | 76.0 | 59.6 | 87.0 | 92.3 | 64.8 | 76.4 |
| FEMALE | V% | 25.1 | 19.4 | 11.6 | 23.3 | 24.6 | 25.5 | 13.2 | 24.0 | 40.4 | 13.0 | 7.7 | 35.2 | 23.6 |
| DOCTORAL FIELD | | | | | | | | | | | | | | |
| PHYSICAL SCIENCES 5/ | V% | 12.4 | 20.3 | 19.9 | 13.5 | 12.7 | 13.4 | 19.0 | 13.0 | 2.5 | 3.7 | 11.0 | 3.5 | 8.1 |
| ENGINEERING | V% | 5.6 | 25.8 | 22.7 | 8.5 | 5.8 | 17.6 | 18.8 | 6.7 | 1.1 | 16.7 | 9.7 | 2.8 | 3.4 |
| LIFE SCIENCES | V% | 14.4 | 16.6 | 19.4 | 15.1 | 14.8 | 13.6 | 16.2 | 14.8 | 5.8 | 18.5 | 22.6 | 8.3 | 13.- |
| SOCIAL SCIENCES | V% | 20.9 | 13.4 | 16.7 | 20.0 | 21.2 | 19.0 | 20.0 | 21.1 | 15.9 | 29.6 | 21.3 | 17.0 | 22.3 |
| ARTS & HUMANITIES | V% | 16.1 | 12.1 | 6.7 | 14.8 | 16.1 | 20.4 | 9.1 | 15.9 | 8.4 | 14.8 | 11.6 | 9.1 | 12.2 |
| EDUCATION | V% | 26.0 | 7.6 | 9.8 | 23.5 | 24.9 | 9.9 | 10.3 | 23.8 | 61.5 | 14.8 | 20.0 | 54.5 | 35.1 |
| PROFESSIONS & OTHER | V% | 4.6 | 4.3 | 4.7 | 4.6 | 4.6 | 6.2 | 6.6 | 4.8 | 4.9 | 1.9 | 3.9 | 4.7 | 5.4 |
| MEDIAN AGE AT DOCTORATE | | 31.6 | 32.2 | 31.0 | 31.6 | 31.5 | 32.5 | 30.7 | 31.4 | 36.2 | 33.3 | 32.8 | 35.3 | 33.4 |
| MEDIAN TIME LAPSE BA-PHD | | | | | | | | | | | | | | |
| TOTAL TIME | | 8.8 | 8.7 | 7.7 | 8.6 | 8.7 | 8.9 | 7.5 | 8.6 | 12.5 | 7.8 | 6.8 | 11.2 | 9.2 |
| REGISTERED TIME | | 6.0 | 6.2 | 5.4 | 6.0 | 6.0 | 6.1 | 5.3 | 6.0 | 6.0 | 6.0 | 5.0 | 5.8 | 5.8 |
| GRADUATE SCHOOL SUPPORT | | | | | | | | | | | | | | |
| FEDERAL FELLOW/TRAINEE | V% | 33.4 | 13.2 | 11.5 | 29.5 | 34.1 | 16.0 | 12.3 | 32.6 | 30.2 | 7.4 | 10.3 | 26.9 | 37.2 |
| GI BILL | V% | 13.2 | .1 | .0 | 10.9 | 13.5 | .2 | .1 | 12.5 | 15.9 | .0 | .0 | 13.3 | 13.5 |
| OTHER FELLOWSHIP | V% | 22.8 | 25.9 | 25.9 | 22.9 | 23.0 | 27.1 | 28.9 | 23.4 | 25.3 | 27.8 | 39.4 | 27.0 | 20.9 |
| TEACHING ASSISTANTSHIP | V% | 49.7 | 54.2 | 43.1 | 48.2 | 51.5 | 55.6 | 47.6 | 51.3 | 27.6 | 42.6 | 31.0 | 28.7 | 50.0 |
| RESEARCH ASSISTANTSHIP | V% | 34.1 | 58.2 | 52.0 | 36.4 | 35.4 | 46.1 | 50.5 | 36.4 | 15.8 | 33.3 | 28.4 | 18.0 | 31.8 |
| EDUC./INST. FUNDS | V% | 13.0 | 10.7 | 14.6 | 12.8 | 13.2 | 12.0 | 15.7 | 13.2 | 15.2 | 25.9 | 20.6 | 16.3 | 13.5 |
| OWN/SPOUSE EARNINGS | V% | 72.2 | 53.1 | 32.0 | 65.6 | 74.0 | 62.1 | 43.0 | 72.1 | 67.1 | 59.3 | 27.7 | 62.0 | 80.4 |
| FAMILY CONTRIBUTIONS | V% | 16.8 | 17.0 | 16.2 | 16.4 | 17.5 | 14.1 | 17.7 | 17.4 | 10.4 | 20.4 | 9.0 | 10.6 | 14.2 |
| NATL DIRECT STDNT LOAN | V% | 11.8 | 5.8 | .9 | 10.1 | 11.6 | 6.0 | 1.0 | 10.9 | 16.9 | 13.0 | 1.3 | 14.8 | 16.2 |
| OTHER LOANS | V% | 13.6 | 10.2 | 6.7 | 12.4 | 13.9 | 11.4 | 8.9 | 13.5 | 14.4 | 24.1 | 9.0 | 14.1 | 18.2 |
| OTHER | V% | 5.3 | 6.7 | 20.2 | 6.9 | 5.3 | 11.6 | 25.9 | 6.5 | 6.6 | 9.3 | 23.2 | 8.7 | 6.1 |
| UNKNOWN | V% | 2.7 | 2.5 | 3.5 | 4.8 | 1.1 | 2.3 | 1.9 | 1.2 | 2.7 | .0 | 3.2 | 2.7 | 2.0 |
| POSTDOCTORAL STUDY PLANS | V% | 15.4 | 24.9 | 25.2 | 16.6 | 15.9 | 19.0 | 21.2 | 16.3 | 6.2 | 11.1 | 16.1 | 7.6 | 12.2 |
| PLANNED EMPLOYMENT AFTER DOCTORATE | V% | 79.6 | 70.4 | 69.1 | 76.5 | 80.7 | 76.2 | 74.7 | 80.3 | 89.0 | 85.2 | 76.1 | 87.4 | 85.1 |
| EDUC. INSTITUTION | V% | 54.6 | 37.8 | 44.0 | 51.6 | 55.1 | 48.2 | 48.0 | 54.6 | 69.8 | 66.7 | 58.7 | 68.4 | 63.5 |
| INDUSTRY/BUSINESS | V% | 8.1 | 22.9 | 9.4 | 8.7 | 8.4 | 16.2 | 8.0 | 8.5 | 2.6 | 11.1 | 2.6 | 2.9 | 2.7 |
| GOVERNMENT | V% | 9.1 | 2.7 | 9.7 | 8.7 | 9.2 | 2.5 | 11.4 | 9.2 | 10.5 | .0 | 8.4 | 9.8 | 10.1 |
| NON-PROFIT | V% | 4.2 | 2.8 | 2.2 | 3.9 | 4.4 | 3.7 | 3.0 | 4.3 | 2.0 | 3.7 | 1.9 | 2.1 | 5.4 |
| OTHER & UNKNOWN | V% | 3.6 | 4.2 | 3.6 | 3.6 | 3.6 | 5.6 | 4.3 | 3.7 | 4.1 | 3.7 | 4.5 | 4.2 | 3.4 |
| POSTDOCT STATUS UNKNOWN | V% | 5.0 | 4.8 | 5.7 | 7.0 | 3.3 | 4.8 | 4.1 | 3.4 | 4.8 | 3.7 | 7.7 | 5.1 | 2.7 |
| DEFINITE POSTDOCT STUDY | V% | 11.9 | 15.7 | 15.2 | 12.1 | 12.3 | 12.9 | 14.7 | 12.5 | 3.5 | 9.3 | 8.4 | 4.3 | 6.1 |
| SEEKING POSTDOCT STUDY | V% | 3.6 | 9.2 | 10.0 | 4.4 | 3.6 | 6.2 | 6.5 | 3.8 | 2.7 | 1.9 | 7.7 | 3.2 | 6.1 |
| DEFINITE EMPLOYMENT | V% | 58.2 | 43.1 | 47.4 | 55.2 | 59.3 | 49.6 | 54.9 | 58.8 | 62.4 | 61.1 | 49.0 | 60.6 | 54.1 |
| SEEKING EMPLOYMENT | V% | 21.4 | 27.2 | 21.6 | 21.3 | 21.4 | 26.6 | 19.8 | 21.4 | 26.6 | 24.1 | 27.1 | 26.8 | 31.1 |
| EMPLOYMENT LOCATION AFTER DOCTORATE | | | | | | | | | | | | | | |
| U.S. | V% 6/ | 95.5 | 86.0 | 22.1 | 88.4 | 95.6 | 83.3 | 18.6 | 91.6 | 96.9 | 87.9 | 25.0 | 89.6 | 93.8 |
| FOREIGN | V% 6/ | 2.0 | 10.1 | 74.6 | 9.0 | 2.1 | 13.5 | 78.2 | 6.0 | .3 | 12.1 | 65.8 | 7.1 | 2.5 |
| UNKNOWN | V% 6/ | 2.4 | 3.9 | 3.3 | 2.6 | 2.3 | 3.2 | 3.2 | 2.4 | 2.8 | .0 | 9.2 | 3.3 | 3.8 |

1/ See explanatory note on page 11 re Table 5.
2/ Includes 719 individuals who did not report their citizenship at time of doctorate.
3/ Includes individuals who did not report their citizenship at time of doctorate.
4/ Includes those who provided no usable response to the item on "racial or ethnic group" and those who used the old form which did not contain this item.
5/ Includes mathematics.
6/ The base for this V% is the number of doctorates in the column caption group who have found definite employment.

TABLE 5. CONTINUED

| CHICANO | | | | PUERTO RICAN | ORIENTAL | | | | OTHER | | | UNKNOWN | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| U.S. | NON-U.S. PERM. | NON-U.S. TEMP. | TOTAL | TOTAL | U.S. | NON-U.S. PERM. | NON-U.S. TEMP. | TOTAL | U.S. | NON-U.S. | TOTAL | U.S. | NON-U.S. | TOTAL |
| 271 | 22 | 93 | 390 3/ | 68 | 334 | 640 | 1127 | 2118 3/ | 25 | 40 | 66 3/ | 1061 | 928 | 2652 3/4/ |
| 78.2 | 72.7 | 88.2 | 80.5 | 60.3 | 73.1 | 85.3 | 87.8 | 84.7 | 56.0 | 87.5 | 75.8 | 80.9 | 89.5 | 83.2 |
| 21.8 | 27.3 | 11.8 | 19.5 | 39.7 | 26.9 | 14.7 | 12.2 | 15.3 | 44.0 | 12.5 | 24.2 | 19.1 | 10.5 | 16.8 |
| 7.7 | 13.6 | 17.2 | 10.5 | 2.9 | 21.0 | 28.1 | 24.2 | 24.9 | 12.0 | 12.5 | 12.1 | 15.2 | 18.0 | 14.9 |
| 3.3 | 4.5 | 12.9 | 5.6 | 5.9 | 17.4 | 33.9 | 28.4 | 28.3 | 4.0 | 37.5 | 24.2 | 4.8 | 25.3 | 13.3 |
| 8.9 | 13.6 | 49.5 | 18.7 | 10.3 | 23.1 | 19.2 | 21.5 | 20.9 | 16.0 | 25.0 | 22.7 | 13.6 | 17.2 | 16.0 |
| 17.0 | 13.6 | 7.5 | 14.9 | 23.5 | 14.4 | 7.3 | 11.8 | 10.9 | 4.0 | 5.0 | 4.5 | 23.0 | 17.5 | 19.2 |
| 23.6 | 36.4 | 6.5 | 20.0 | 10.3 | 9.9 | 4.5 | 3.0 | 4.6 | 24.0 | 5.0 | 12.1 | 22.9 | 7.7 | 15.2 |
| 34.3 | 13.6 | 5.4 | 26.2 | 39.7 | 11.1 | 4.7 | 8.6 | 7.7 | 36.0 | 2.5 | 15.2 | 16.7 | 9.1 | 16.6 |
| 5.2 | 4.5 | 1.1 | 4.1 | 7.4 | 3.3 | 2.2 | 2.5 | 2.5 | 4.0 | 12.5 | 9.1 | 3.9 | 5.3 | 4.9 |
| 33.0 | 33.5 | 33.2 | 33.1 | 33.5 | 33.2 | 31.8 | 30.9 | 31.4 | 33.8 | 31.3 | 32.0 | 31.3 | 31.4 | 31.4 |
| 9.2 | 7.3 | 8.5 | 8.9 | 10.8 | 10.5 | 8.5 | 7.9 | 8.3 | 10.4 | 8.3 | 9.5 | 8.6 | 8.3 | 8.5 |
| 6.0 | 6.3 | 4.6 | 5.7 | 5.8 | 6.4 | 6.2 | 5.6 | 5.9 | 7.2 | 6.0 | 6.3 | 6.0 | 5.6 | 5.8 |
| 29.5 | 22.7 | 10.8 | 24.4 | 26.5 | 33.5 | 11.1 | 11.3 | 14.6 | 36.0 | 15.0 | 22.7 | 21.1 | 10.8 | 12.4 |
| 13.7 | .0 | .0 | 10.0 | 10.3 | 4.8 | .0 | .0 | .8 | 16.0 | .0 | 6.1 | 5.5 | .0 | 2.2 |
| 25.5 | 22.7 | 20.4 | 24.4 | 25.0 | 18.3 | 25.9 | 24.3 | 23.7 | 20.0 | 17.5 | 18.2 | 17.8 | 21.3 | 14.9 |
| 40.2 | 77.3 | 33.3 | 40.8 | 30.9 | 51.2 | 53.8 | 44.1 | 47.8 | 36.0 | 50.0 | 43.9 | 34.4 | 40.1 | 28.0 |
| 26.2 | 45.5 | 44.1 | 31.3 | 16.2 | 46.1 | 73.4 | 61.7 | 62.4 | 24.0 | 67.5 | 50.0 | 23.0 | 46.8 | 25.8 |
| 12.2 | 13.6 | 28.0 | 15.9 | 23.5 | 14.1 | 8.0 | 11.7 | 10.9 | 12.0 | 5.0 | 7.6 | 6.6 | 14.0 | 7.6 |
| 70.8 | 81.8 | 23.7 | 60.3 | 66.2 | 62.0 | 43.8 | 24.7 | 36.2 | 84.0 | 47.5 | 62.1 | 40.2 | 30.2 | 26.9 |
| 13.3 | 31.8 | 8.6 | 13.3 | 14.7 | 16.8 | 19.7 | 20.1 | 19.4 | 16.0 | 15.0 | 15.2 | 10.0 | 10.8 | 7.8 |
| 18.8 | 4.5 | 2.2 | 13.8 | 14.7 | 8.4 | 4.8 | .4 | 3.1 | 32.0 | 5.0 | 15.2 | 8.2 | 1.9 | 4.0 |
| 17.0 | 31.8 | 6.5 | 15.1 | 11.8 | 11.4 | 7.3 | 3.3 | 5.8 | 28.0 | 17.5 | 21.2 | 6.4 | 7.3 | 5.2 |
| 8.9 | 9.1 | 31.2 | 14.1 | 13.2 | 3.6 | 3.1 | 11.6 | 7.9 | 8.0 | 10.0 | 9.1 | 4.2 | 17.2 | 7.8 |
| 1.8 | .0 | 4.3 | 2.6 | 1.5 | .3 | 1.6 | 1.3 | 1.7 | .0 | 5.0 | 3.0 | 41.0 | 9.3 | 43.9 |
| 10.0 | 22.7 | 16.1 | 12.1 | 7.4 | 24.6 | 31.3 | 34.3 | 31.6 | 20.0 | 27.5 | 25.8 | 12.2 | 22.3 | 12.7 |
| 85.2 | 72.7 | 79.6 | 83.1 | 86.8 | 71.6 | 65.5 | 62.0 | 64.4 | 80.0 | 65.0 | 69.7 | 44.0 | 66.3 | 41.6 |
| 66.8 | 54.5 | 58.1 | 63.6 | 63.2 | 36.8 | 26.4 | 37.4 | 33.9 | 64.0 | 42.5 | 50.0 | 26.5 | 40.3 | 25.2 |
| 3.3 | 9.1 | 8.6 | 4.9 | 1.5 | 18.3 | 31.1 | 13.4 | 19.5 | 8.0 | 7.5 | 7.6 | 6.8 | 10.5 | 6.4 |
| 7.7 | 4.5 | 4.3 | 6.9 | 10.3 | 9.6 | 3.0 | 7.1 | 6.2 | 4.0 | 7.5 | 6.1 | 4.5 | 9.8 | 5.4 |
| 5.2 | .0 | 3.2 | 4.6 | 5.9 | 3.0 | 2.2 | 1.6 | 2.0 | .0 | 2.5 | 1.5 | 2.3 | 1.8 | 1.7 |
| 2.2 | 4.5 | 5.4 | 3.1 | 5.9 | 3.9 | 2.8 | 2.6 | 2.8 | 4.0 | 5.0 | 4.5 | 4.0 | 3.9 | 3.0 |
| 4.8 | 4.5 | 4.3 | 4.9 | 5.9 | 3.9 | 3.3 | 3.6 | 4.0 | .0 | 7.5 | 4.5 | 43.8 | 11.4 | 45.7 |
| 6.6 | 9.1 | 12.9 | 8.2 | 5.9 | 19.8 | 20.0 | 19.0 | 19.3 | 12.0 | 17.5 | 15.2 | 9.0 | 12.0 | 7.8 |
| 3.3 | 13.6 | 3.2 | 3.8 | 1.5 | 4.8 | 11.3 | 15.4 | 12.4 | 8.0 | 10.0 | 10.6 | 3.1 | 10.3 | 4.9 |
| 64.9 | 45.5 | 60.2 | 62.8 | 67.6 | 46.4 | 38.6 | 38.4 | 39.7 | 48.0 | 45.0 | 45.5 | 30.9 | 42.9 | 28.0 |
| 20.3 | 27.3 | 19.4 | 20.3 | 19.1 | 25.1 | 26.9 | 23.6 | 24.7 | 32.0 | 20.0 | 24.2 | 13.1 | 23.4 | 13.6 |
| 95.5 | 90.0 | 8.9 | 75.5 | 95.7 | 98.1 | 89.1 | 29.8 | 59.9 | 100.0 | 55.6 | 73.3 | 87.8 | 31.2 | 56.8 |
| 1.1 | .0 | 91.1 | 21.6 | .0 | .6 | 6.1 | 66.5 | 36.4 | .0 | 33.3 | 20.0 | 5.5 | 66.6 | 38.8 |
| 3.4 | 10.0 | .0 | 2.9 | 4.3 | 1.3 | 4.9 | 3.7 | 3.7 | .0 | 11.1 | 6.7 | 6.7 | 2.3 | 4.4 |

SOURCE: NRC, Commission on Human Resources, Doctorate Records File.

NSF Form 558 1974
OMB No. 99-R0290
Approval Expires June 30, 1976

# SURVEY OF EARNED DOCTORATES

This form is to be returned to the GRADUATE DEAN, for forwarding to ..... Board on Human-Resource Data and Analyses
Commission on Human Resources
National Research Council
2101 Constitution Avenue, Washington, D. C. 20418

*Please print or type.*

*Please Do Not Write In This Space*

1 8
9-30 NA
cr( ) 31 d( ) 32
33-41 SS
42 43 44 45 46
47 48
49 50
51 52 53
54 55 56 57 HS
58 59 60 61 UG
62
63 64 65 66 B
67 68 69 70 71 72
73 74 75
76 77 78 n( ) 79 GR
2 8
9 10 11 12 13 14
15 16 M
17 18 19 20 21 22
23 24 25
26 27 28
29 30 31 P
D
32 33 34 35 36 37
38 39 40
41 42 43 44 45 TO
46 47 CE-BA
48 49 BA-GE
50 51 GE-MA
52 53 MA-PHD
54 55 GE-PHD
56 57 TI

A. Name in full: ..... (9-30)
(Last Name) (First Name) (Middle Name)

Cross Reference: Maiden name or former name legally changed ..... (31)

B. Permanent address through which you could always be reached: (Care of, if applicable) .....
..... (Number) (Street) (City)
..... (State) (Zip Code) (Or Country if not U.S.)

C. U.S. Social Security Number: ___ ___ ___ – ___ ___ – ___ ___ ___ ___ (33-41)

D. Date of birth: ..... (42-46) (Month) (Day) (Year) Place of birth: ..... (47-48) (State) (Or Country if not U.S.)

E. Sex: 1 ☐ Male 2 ☐ Female (49)

F. Marital status: 1 ☐ Married 2 ☐ Not married (including widowed, divorced) (50)

G. Citizenship: 0 ☐ U.S. native 2 ☐ Non U.S., Immigrant (Permanent Resident)
1 ☐ U.S. naturalized 3 ☐ Non-U.S., Non-Immigrant (Temporary Resident) (51)
If Non-U.S., indicate country of present citizenship ..... (52-53)

H. Racial or ethnic group: (Check all that apply.) 0 ☐ White/Caucasian 1 ☐ Black/Negro/Afro-American
2 ☐ American Indian 3 ☐ Spanish-American/Mexican-American/Chicano
4 ☐ Puerto Rican-American 5 ☐ Oriental 6 ☐ Other, specify ..... (54-56)

I. Number of dependents:
Do not include yourself. (Dependent = someone receiving at least one half of his or her support from you) ..... (57)

## EDUCATION

J. High school last attended: ..... (58-59)
(School Name) (City) (State)

Year of graduation from high school: ..... (60-61)

K. List in the table below all collegiate and graduate institutions you have attended including 2-year colleges. List chronologically, and include your doctoral institution as the last entry.

| Institution Name | Location | Years Attended From | Years Attended To | Major Field Use Specialties List Name | Major Field Use Specialties List Number | Minor Field Number | Degree (if any) Title of Degree | Degree (if any) Granted Mo. | Degree (if any) Granted Yr. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
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L. Enter below the title of your doctoral dissertation and the most appropriate classification number and field. If a project report or a musical or literary composition (not a dissertation) is a degree requirement, please check box. ☐ (44)

Title ..... Classify using Specialties List
..... Number Name of field
.....

M. Name the department (or interdisciplinary committee, center, institute, etc.) and school or college of the university which supervised your doctoral program: .....
(Department/Institute/Committee/Program) (School)

N. Name of your dissertation adviser: .....
(Last Name) (First Name) (Middle Initial)

*continued on next page*

## SURVEY OF EARNED DOCTORATES, Cont.

**O.** Please check each source from which you received some support during graduate study. Check as many sources as apply.

58 — NSF Fellowship
59 — NSF Traineeship
60 — NIH Fellowship
61 — NIH Traineeship
62 — NDEA Fellowship
63 — Other HEW
64 — AEC Fellowship
65 — NASA Traineeship
66 — GI Bill
67 — Other Federal support (specify) .....
68 — Woodrow Wilson Fellowship
69 — Other U.S. national fellowship (specify) .....
70 — University fellowship
71 — Teaching Assistantship
72 — Research Assistantship
73 — Educational fund of industrial or business firm
74 — Other institutional funds (specify) .....
75 — Own earnings
76 — Spouse's earnings
77 — Family contributions
78 — Loans (NDSL direct)
79 — Other loans
80 — Other (specify) .....

**P.** Please check the space which most fully describes your status during the year immediately preceding the doctorate.

0 ☐ Held fellowship
1 ☐ Held assistantship
2 ☐ Held own research grant
3 ☐ Not employed
4 ☐ Part-time employed

Full-time Employed in: (Other than 0, 1, 2)

5 ☐ College or university, teaching
6 ☐ College or university, non-teaching
7 ☐ Elem. or sec. school, teaching
8 ☐ Elem. or sec. school, non-teaching
9 ☐ Industry or business
(11) ☐ Other (specify) .....
(12) ☐ Any other (specify) ..... (9)

**Q.** U.S. veteran status:

0 ☐ Veteran  1 ☐ On active duty  2 ☐ Non-veteran or not applicable (10)

### POSTGRADUATION PLANS

**R.** How well defined are your postgraduation plans?

0 ☐ Have signed contract or made definite commitment
1 ☐ Am negotiating with a specific organization, or more than one
2 ☐ Am seeking appointment but have no specific prospects
3 ☐ Other (specify) ..... (11)

**S.** What are your immediate postgraduation plans?

0 ☐ Postdoctoral fellowship?
1 ☐ Postdoctoral research associateship?
2 ☐ Traineeship?
3 ☐ Other study (specify) .....

*If you check 0, 1, 2, or 3, please answer "T" and omit "U"*

4 ☐ Employment? (other than 0, 1, 2, 3)
5 ☐ Military service?
6 ☐ Other (specify) ..... (12)

*If you checked 4, 5, or 6, please answer "U" and omit "T"*

**T.** If you plan to be on a postdoctoral fellowship, associateship, or traineeship —

What is the field of your postdoctoral appointment?
Classify using Specialties List.
Number  Field
..... ..... (13-15)

What is the primary source of support?

0 ☐ U.S. Government
1 ☐ College or university
2 ☐ Private foundation
3 ☐ Nonprofit, other than private foundation
4 ☐ Other (specify) .....
6 ☐ Unknown (16)

**U.** If you plan to be employed, enter military service, or other —

What will be the type of employer?

0 ☐ 4-year college or university
1 ☐ Jr. or community college
2 ☐ Elem. or sec. school
3 ☐ Foreign government
4 ☐ U.S. Government
5 ☐ U.S. state or local government
6 ☐ Nonprofit organization
7 ☐ Industry or business
8 ☐ Self-employed
9 ☐ Other (specify) ..... (17)

Indicate primary work activity with "1" in appropriate box; secondary work activity (if any) with "2" in appropriate box.

0 ☐ Research and development
1 ☐ Teaching
2 ☐ Administration
3 ☐ Professional services to individuals
5 ☐ Other (specify) ..... (18-19)

In what field will you be working?
Please enter number from Specialties List ..... (20-22)

**V.** What is the name and address of the organization with which you will be associated?

(Name of Organization) .....
(Street) ..... (City, State) ..... (Or Country if not U.S.) (23-28)

### BACKGROUND INFORMATION

**W.** Please indicate, by circling the highest grade attained, the education of

| | none | Elementary school | High school | College | Graduate | | |
|---|---|---|---|---|---|---|---|
| *your father:* | none | 1 2 3 4 5 6 7 8 | 9 10 11 12 | 1 2 3 4 | MA, MD PhD | Postdoctoral | (29) |
| *your mother* | none 0 | 1 2 3 4 5 6 7 8 / 1 2 3 | 9 10 11 12 / 4 5 | 1 2 3 4 / 6 7 | MA, MD PhD / 8 9 | Postdoctoral / (11) | (30) |

Signature ..... Date completed ..... (31-33)

| | | |

## SPECIALTIES LIST

### MATHEMATICS

000 — Algebra
010 — Analysis & Functional Analysis
020 — Geometry
030 — Logic
040 — Number Theory
050 — Probability, Math. Statistics (see also 544, 670, 725, 727, 920)
060 — Topology
080 — Computing Theory & Practice
082 — Operations Research (see also 478)
085 — Applied Mathematics
098 — Mathematics, General
099 — Mathematics, Other*

### ASTRONOMY

101 — Astronomy
102 — Astrophysics

### PHYSICS

110 — Atomic & Molecular
120 — Electromagnetism
130 — Mechanics
132 — Acoustics
134 — Fluids
135 — Plasma
136 — Optics
138 — Thermal
140 — Elementary Particles
150 — Nuclear Structure
160 — Solid State
198 — Physics, General
199 — Physics, Other*

### CHEMISTRY

200 — Analytical
210 — Inorganic
220 — Organic
230 — Nuclear
240 — Physical
250 — Theoretical
260 — Agricultural & Food
270 — Pharmaceutical
275 — Polymer
298 — Chemistry, General
299 — Chemistry, Other*

### EARTH SCIENCES

301 — Mineralogy, Petrology
305 — Geochemistry
310 — Stratigraphy, Sedimentation
320 — Paleontology
330 — Structural Geology
341 — Geophysics (Solid Earth)
350 — Geomorph., Glacial Geology
360 — Hydrology
370 — Oceanography
381 — Atmospheric Physics and Chemistry
382 — Atmospheric Dynamics
383 — Atmospheric Sciences, Other*
391 — Applied Geol., Geol. Engr., Econ. Geol.
395 — Fuel Tech., Petrol. Engr. (see also 479)
398 — Earth Sciences, General
399 — Earth Sciences, Other*

### ENGINEERING

400 — Aeronautical & Astronautical
410 — Agricultural
415 — Biomedical
420 — Civil
430 — Chemical
435 — Ceramic
437 — Computer
440 — Electrical
445 — Electronics
450 — Industrial
455 — Nuclear
460 — Engineering Mechanics
465 — Engineering Physics
470 — Mechanical
475 — Metallurgy & Phys. Met. Engr.
476 — Systems Design, Systems Science
478 — Operations Research (see also 082)
479 — Fuel Tech., Petrol. Engr. (see also 395)
480 — Sanitary
486 — Mining
497 — Materials Science
498 — Engineering, General
499 — Engineering, Other*

### ENVIRONMENTAL SCIENCES

589 — Environmental Sciences*

### AGRICULTURAL SCIENCES

500 — Agronomy
501 — Agricultural Economics
502 — Animal Husbandry
503 — Food Science & Technology
504 — Fish & Wildlife
505 — Forestry
506 — Horticulture
507 — Soils & Soil Science
510 — Animal Sciences
511 — Phytopathology
518 — Agriculture, General
519 — Agriculture, Other*

### MEDICAL SCIENCES

520 — Medicine & Surgery
522 — Public Health
523 — Veterinary Medicine
524 — Hospital Administration
527 — Parasitology
534 — Pathology
536 — Pharmacology
537 — Pharmacy
538 — Medical Sciences, General
539 — Medical Sciences, Other*

### BIOLOGICAL SCIENCES

540 — Biochemistry
542 — Biophysics
544 — Biometrics, Biostatistics (see also 050, 670, 725, 727, 920)
545 — Anatomy
546 — Cytology
547 — Embryology
548 — Immunology
550 — Botany
560 — Ecology
562 — Hydrobiology
564 — Microbiology & Bacteriology
566 — Physiology, Animal
567 — Physiology, Plant
569 — Zoology
570 — Genetics
571 — Entomology
572 — Molecular Biology
576 — Nutrition and/or Dietetics
578 — Biological Sciences, General
579 — Biological Sciences, Other*

### PSYCHOLOGY

600 — Clinical
610 — Counseling & Guidance
620 — Developmental & Gerontological
630 — Educational
635 — School Psychology
641 — Experimental
642 — Comparative
643 — Physiological
650 — Industrial & Personnel
660 — Personality
670 — Psychometrics (see also 050, 544, 725, 727, 920)
680 — Social
698 — Psychology, General
699 — Psychology, Other*

### SOCIAL SCIENCES

700 — Anthropology
708 — Communications*
710 — Sociology
720 — Economics (see also 501)
725 — Econometrics (see also 050, 544, 670, 727, 920)
727 — Statistics (see also 050, 544, 670, 725, 920)
740 — Geography
745 — Area Studies*
751 — Political Science
752 — Public Administration
755 — International Relations
770 — Urban & Reg. Planning
798 — Social Sciences, General
799 — Social Sciences, Other*

### ARTS & HUMANITIES

801 — Art, Applied
802 — Art, History & Criticism
804 — History, American
805 — History, European
806 — History, Other*
807 — History & Philosophy of Science
808 — American Studies
830 — Music
831 — Speech as a Dramatic Art (see also 885)
832 — Archeology
833 — Religion (see also 881)
834 — Philosophy
835 — Linguistics
836 — Comparative Literature
878 — Arts & Humanities, General
879 — Arts & Humanities, Other*

### LANGUAGES & LITERATURE

811 — American
812 — English
821 — German
822 — Russian
823 — French
824 — Spanish & Portuguese
826 — Italian
827 — Classical*
829 — Other Languages*

### EDUCATION

900 — Foundations: Social, Philosoph.
910 — Educational Psychology
908 — Elementary Educ., General
909 — Secondary Educ., General
918 — Higher Education
919 — Adult Educ. & Extension Educ.
920 — Educ. Meas. & Stat.
929 — Curriculum & Instruction
930 — Educ. Admin. & Superv.
940 — Guid., Couns., & Student Pers.
950 — Special Education (Gifted, Handicapped, etc.)
960 — Audio-Visual Media

### TEACHING FIELDS

970 — Agriculture Educ.
972 — Art Educ.
974 — Business Educ.
976 — English Educ.
978 — Foreign Languages Educ.
980 — Home Economics Educ.
982 — Industrial Arts Educ.
984 — Mathematics Educ.
986 — Music Educ.
988 — Phys. Ed., Health, & Recreation
989 — Reading Education
990 — Science Educ.
992 — Social Science Educ.
993 — Speech Education
994 — Vocational Educ.
996 — Other Teaching Fields*

998 — Education, General
999 — Education, Other*

### OTHER PROFESSIONAL FIELDS

881 — Theology (see also 833)
882 — Business Administration
883 — Home Economics
884 — Journalism
885 — Speech & Hearing Sciences (see also 831)
886 — Law, Jurisprudence
887 — Social Work
891 — Library & Archival Science
897 — Professional Field, Other*

899 — OTHER FIELDS*

* Identify the specific field in the space provided on the questionnaire.

## CODE NUMBERS FOR FIELDS DISPLAYED IN TABLE 2

Physics & Astronomy (101-199)
Chemistry (200-299)
Earth Sciences (301-399)

Physical Sciences Subtotal (101-399)
Mathematics (000-099)
Engineering (400-499)

EMP Total (000-499)

Basic Medical Sciences (540-542, 545-548, 564-566, 572)
Other Biosciences (544, 550-562, 567-571, 576-579)

Biosciences Subtotal (540-579)
Medical Sciences (520-539)
Agricultural Sciences (500-519)
Environmental Sciences (589)

Life Sciences (500-589)

Psychology (600-699)
Economics and Econometrics (720, 725)
Anthropology & Sociology (700, 710)
Political Science, Public Administration, International Relations (750-755)
Other Social Sciences (708, 727-745, 770-799)

Social Sciences Total (600-799)

Total Sciences (000-799)

History (804-807)
English & American Language & Literature (811-812)
Foreign Languages & Literature (821-829)
Other Arts & Humanities (801-802, 808, 830-879)

Arts & Humanities Total (801-879)

Professional Fields (881-897)

Education (900-999)

Total Non-Sciences (801-897, 900-999)

Other or unspecified (899)